

Chapter 02 /test-bank-childhood-and-adolescence-voyages-in-development-7e-rathus

1. Polygenic traits are transmitted by a single pair of genes.

- a. True
- b. False

ANSWER: False

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.1 - Explain the influence of heredity on biological, psychological, and social development.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/22/2021 11:40 PM

DATE MODIFIED: 3/22/2021 11:44 PM

QUESTION ID: JFND-GTTI-8R4D-YO4G

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJS-CJTU-YQJT-CWHD-QP3S-GCSS-GAJW-CRSS-RPB3-GOSU-YPT1-CRSU-YPMG-GJTG-EPBI-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

2. Sex chromosomes utilize meiosis to divide.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.1 - Explain the influence of heredity on biological, psychological, and social development.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/22/2021 11:47 PM

DATE MODIFIED: 3/22/2021 11:49 PM

QUESTION ID: JFND-GTTI-8R4D-YTB3

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMF-CAAD-CP5D-CR5U-OQMN-GWSU-RCDR-8YSU-E3B1-GOSU-ECTI-GHSU-EQBI-GTOS-NCBO-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

3. Every cell in the human body carries one and only one gene.

- a. True
- b. False

ANSWER: False

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.1 - Explain the influence of heredity on biological, psychological, and social development.
KEYWORDS: Bloom's: Understand
DATE CREATED: 3/22/2021 11:51 PM
DATE MODIFIED: 3/22/2021 11:56 PM
QUESTION ID: JFND-GTTI-8R4D-YTBZ
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJA-CA4U-KAJZ-8FUD-OCBT-CRSU-RCDF-8RSU-O3UG-GOSU-KPJZ-COSU-NQJT-CIUG-EP5R-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

4. Monozygotic twins are conceived from separate egg cells.

- a. True
- b. False

ANSWER: False
POINTS: 1
REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature
QUESTION TYPE: True / False
HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.1 - Explain the influence of heredity on biological, psychological, and social development.
KEYWORDS: Bloom's: Understand
DATE CREATED: 3/22/2021 11:57 PM
DATE MODIFIED: 3/23/2021 12:14 AM
QUESTION ID: JFND-GTTI-8R4D-YCTZ
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJA-CC5S-NCMR-CC3U-NPUG-8YSU-OPBU-8YSS-EAMF-GOSS-E3JW-GOSS-EA5G-8YAD-1QJ1-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

5. "Carriers" for traits have two recessive genes for those traits.

- a. True
- b. False

ANSWER: False
POINTS: 1
REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature
QUESTION TYPE: True / False
HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Understand
DATE CREATED: 3/23/2021 12:14 AM
DATE MODIFIED: 3/23/2021 12:16 AM
QUESTION ID: JFND-GTTI-8R4D-YCJ3
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJA-CA5U-Q3TO-GWAS-G3J3-GRSU-RAUF-CESU-YCJA-GOSU-RAJI-GOSU-NCBA-8R3D-GAJU-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

6. Klinefelter syndrome affects females and males equally.

- a. True
- b. False

ANSWER: False

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 12:16 AM

DATE MODIFIED: 3/23/2021 12:17 AM

QUESTION ID: JFND-GTTI-8R4D-YCKR

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ1-GO5U-EPDD-GHAS-EPJ3-CCSS-N3TO-8YSS-KA5D-GOSU-EPT3-GASU-QQMG-CWHU-EATT-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

7. Phenylketonuria (PKU), which causes intellectual disability, can be controlled by diet.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 12:17 AM

DATE MODIFIED: 3/23/2021 12:19 AM

QUESTION ID: JFND-GTTI-8R4D-YCKD

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJZ-CEAU-QPMN-GH5D-KATU-CESU-1ATS-8RSS-E3JI-GOSU-OPBI-CESU-KQBU-GJOS-RCJ3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

8. Ultrasound is used in amniocentesis and chorionic villus sampling (CVS).

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 12:19 AM

DATE MODIFIED: 3/23/2021 12:21 AM

QUESTION ID: JFND-GTTI-8R4D-YCJI

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-

LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GE4G-RP31-CAHG-EQDF-CRSS-CQJI-CRSU-KPBW-GOSU-NPTZ-8YSS-GCDN-8Y4S-KPJA-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

9. Our phenotype is influenced by the environment.

a. True

b. False

ANSWER: True

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 12:21 AM

DATE MODIFIED: 3/23/2021 12:22 AM

QUESTION ID: JFND-GTTI-8R4D-YPT3

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-

LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJT-G7OS-KPDF-GITD-NCDN-CRSU-NQJO-8RSU-C3TO-GOSU-KP5N-CASS-EQJZ-GO3G-RPUR-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

10. Parents and children have a 25% overlap in genes.

a. True

b. False

ANSWER: False

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 12:23 AM

DATE MODIFIED: 3/23/2021 12:24 AM

QUESTION ID: JFND-GTTI-8R4D-YPT1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-

LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJT-GWAG-CATT-GI1D-GPMR-COSS-EPTO-CESU-KCJ1-GOSS-N3JA-COSS-RP5F-GTUD-1AMN-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

11. The bulk of a fertile human egg is contributed by the sperm.

a. True

b. False

ANSWER: False

POINTS: 1

REFERENCES: 2.4 Conception: Against All Odds

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.4 - Describe the process of conception, referring to the development of ova and sperm cells.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 12:57 AM

DATE MODIFIED: 3/23/2021 12:59 AM

QUESTION ID: JFND-GTTI-8R4D-NCTS

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ3-GAHD-YCMB-COHD-N3TA-GASS-EPJI-8RSS-GPDR-GOSU-OPTT-CWSS-EQMF-8YHS-NA3I-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

12. The term *infertility* is applied to couples that have failed to conceive for a year or more.

a. True

b. False

ANSWER: True

POINTS: 1

REFERENCES: 2.5 Infertility and Assisted Reproductive Technology

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.4 - Describe the process of conception, referring to the development of ova and sperm cells.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 12:59 AM

DATE MODIFIED: 3/23/2021 1:00 AM

QUESTION ID: JFND-GTTI-8R4D-NC4N

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ3-GWAD-QPJZ-8Y4D-NPBI-8YSS-CAJU-8RSS-C3DB-GOSU-QPJU-GHSS-NPJ1-CA4U-N3JU-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

13. Pelvic inflammatory disease (PID) can result from a variety of bacterial or viral infections.

a. True

b. False

ANSWER: True

POINTS: 1

REFERENCES: 2.5 Infertility and Assisted Reproductive Technology

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 1:01 AM

DATE MODIFIED: 3/23/2021 1:02 AM

QUESTION ID: JFND-GTTI-8R4D-NC4G

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJW-CR3D-R3DB-GTOU-YPJI-CRSU-1PJT-8RSU-
GPDG-GOSS-NCTT-CCSU-R3MF-GC4G-GCTS-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

14. Some bicycle seats can cause a reduction in sperm production for some males.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 2.5 Infertility and Assisted Reproductive Technology

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 1:02 AM

DATE MODIFIED: 3/23/2021 1:05 AM

QUESTION ID: JFND-GTTI-8R4D-NC4R

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-CCAD-YPBW-GJ1D-CQDF-GASU-
GQMB-8YSU-K3MN-GOSU-GQJ3-GCSU-13J1-CAAG-CQB3-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

15. Mothers who give up their children for adoption often experience guilt, feelings of loss, and curiosity about how their child is developing and adjusting.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 2.5 Infertility and Assisted Reproductive Technology

QUESTION TYPE: True / False

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 1:06 AM

DATE MODIFIED: 3/23/2021 1:07 AM

QUESTION ID: JFND-GTTI-8R4D-NC3T

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-CTUD-K3UG-8R4D-1CUR-GWSU-1CMG-
CRSU-EPMN-GOSU-R3MF-COSS-EA5R-8FOU-EA3A-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

16. Heredity is defined as

- a. the biological transmission of traits and characteristics that is passed from parent to child by means of genes.

- b. the spiral-shaped structures found in cells.
- c. traits that are determined by pairs of genes.
- d. the process of cell division.

ANSWER: a

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 1:07 AM

DATE MODIFIED: 3/23/2021 1:09 AM

QUESTION ID: JFND-GTTI-8R4D-NC3S

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMB-GAHD-YC3A-CA3S-KC5G-8RSS-EAJ1-8RSS-RPJA-GOSU-1C5F-CCSU-OATZ-GJOS-NC3T-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

17. The branch of biology that studies heredity is called

- a. etiology.
- b. genetics.
- c. molecular biology.
- d. Game to genesis.

ANSWER: b

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 1:10 AM

DATE MODIFIED: 3/23/2021 1:12 AM

QUESTION ID: JFND-GTTI-8R4D-NCNN

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMF-GYAG-CPUF-8FOU-RPMG-GCSS-NQJZ-8RSS-GCTA-GOSU-N3TU-CWSU-GPB3-CJTS-CA5D-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

18. Genetics appears to play a role not only in the transmission of physical traits, such as height and eye color, but also in

- a. one's willingness to work hard to achieve their goals.
- b. personality traits such as shyness and anxiety.
- c. socioeconomic status.
- d. culture.

ANSWER: b

POINTS: 1

REFERENCES: The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 1:12 AM

DATE MODIFIED: 3/23/2021 1:14 AM

QUESTION ID: JFND-GTTI-8R4D-NCBA

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMN-CJOU-QQBT-GJOU-QC5N-GHSU-CAUR-CRSU-Q3MD-GOSU-OCJZ-GCSU-O3JO-GO3D-1C31-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

19. *Heredity* means

- a. The biological transmission of traits and characteristics from one generation to another.
- b. how your traits manifest themselves in your characteristics.
- c. how cells divide to determine who we become.
- d. how genes combine to influence our phenotype.

ANSWER: a

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 1:14 AM

DATE MODIFIED: 3/23/2021 1:15 AM

QUESTION ID: JFND-GTTI-8R4D-NCNG

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMB-CCHD-CC33-CPTU-C3T3-GCSS-N3BT-CRSU-CCBA-GOSS-G3JW-GOSU-KC3I-8BTU-CAMF-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

20. Chromosomes contain thousands of segments called

- a. nuclei.
- b. genes.
- c. phosphates.
- d. cytosines.

ANSWER: b

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment

TIVES: (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 1:16 AM

DATE MODIFIED: 3/23/2021 1:17 AM

QUESTION ID: JFND-GTTI-8R4D-NCND

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJW-CW3G-CA3O-CW4U-OPMN-8YSU-NCJO-8RSS-RA3Z-GOSS-GQMF-GESU-KA3T-CO3S-NCUD-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

21. What shape best describes most chromosomes?

- a. Cone
- b. Rod
- c. An X
- d. An octagon

ANSWER: b

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVE: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment

TIVES: (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 3:25 AM

DATE MODIFIED: 3/23/2021 3:27 AM

QUESTION ID: JFND-GTTI-8R4D-RP3Z

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJS-GOHD-YQMN-CPUD-NPJZ-8YSS-EQDD-CESU-13JS-GOSU-NA3A-8YSU-YCTU-8BTU-EQJ3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

22. A normal human cell contains how many chromosomes organized into pairs?

- a. 20
- b. 32
- c. 46
- d. 48

ANSWER: c

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVE: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment

TIVES: (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 3:30 AM

DATE MODIFIED: 3/23/2021 3:31 AM

QUESTION ID: JFND-GTTI-8R4D-RPNG

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMN-GC5G-GPUR-GW4D-YPDB-CASU-CQMF-
CRSU-GPBU-GOSU-O3MR-GWSS-E3TS-CJ1S-NCJU-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

23. Some traits, such as blood type, are transmitted by a single pair of genes. Other traits are determined by combinations of pairs of genes. These traits are called

- a. monogenic.
- b. polygenic.
- c. multigenic.
- d. recessive.

ANSWER: b

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 3:32 AM

DATE MODIFIED: 3/23/2021 3:34 AM

QUESTION ID: JFND-GTTI-8R4D-RPNF

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-GEAS-K3UG-CA5U-QCJZ-GHSS-ECT1-CRSU-
RPDN-GOSS-N3BT-GESU-1AMB-CPTS-KC5B-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

24. Polygenic traits

- a. are transmitted by a single pair of genes.
- b. are uncommon in humans.
- c. are transmitted by the mother.
- d. come from the combination of more than one gene.

ANSWER: d

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 3:34 AM

DATE MODIFIED: 3/23/2021 3:37 AM

QUESTION ID: JFND-GTTI-8R4D-RPBU

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMB-GRHU-O3DR-GCHD-EPBI-GASS-NPBA-
CESU-QC5D-GOSU-1PUB-GOSS-GP5F-CA4D-NPBU-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

25. Research into the human genome has found that human beings have how many genes in every cell of their bodies?

- a. 1,000–1,500
- b. 10,000–20,000
- c. 20,000–25,000
- d. 40,000–50,000

ANSWER: c

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 3:37 AM

DATE MODIFIED: 3/23/2021 3:38 AM

QUESTION ID: JFND-GTTI-8R4D-RPBZ

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMR-GEAU-KQMR-CJOS-NC5R-GWSS-G3T1-CRSU-KQJT-GOSS-NAT3-8RSU-OPTI-GEHG-NCTT-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

26. A deoxyribonucleic acid (DNA) molecule most closely resembles

- a. a twisting ladder.
- b. a straight ladder.
- c. an octagon.
- d. interlocking circles.

ANSWER: a

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 3:39 AM

DATE MODIFIED: 3/23/2021 3:41 AM

QUESTION ID: JFND-GTTI-8R4D-RPBI

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJI-GA4U-RPUN-8R5U-YCTW-GRSS-N3BI-8RSS-GCTT-GOSU-1C3W-8RSU-QCUR-CW4U-KCDD-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

27. In deoxyribonucleic acid (DNA), the sides of the ladder consist of alternating segments of phosphate and

- a. adenine.
- b. thymine.
- c. cytosine.
- d. simple sugar.

ANSWER: d

POINTS: 1
REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 3:42 AM
DATE MODIFIED: 3/23/2021 3:43 AM
QUESTION ID: JFND-GTTI-8R4D-RPKB
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJA-8Y5D-CAJW-8R4U-G3B3-GCSU-OCMF-CRSU-NCDB-GOSU-Q3TU-GRSU-KCMB-GR4G-GP33-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

28. Which of these is the smallest?

- a. A gene
- b. The deoxyribonucleic acid (DNA) helix
- c. A cell
- d. A zygote

ANSWER: a
POINTS: 1
REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 3:44 AM
DATE MODIFIED: 3/23/2021 3:45 AM
QUESTION ID: JFND-GTTI-8R4D-RPJA
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GH4U-O3BW-CPUD-1C33-GRSU-YCJT-8RSU-KQDF-GOSU-RCJS-GHSS-RAUN-CO3G-KA3O-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

29. In deoxyribonucleic acid (DNA), adenine is paired with

- a. guanine.
- b. thymine.
- c. simple sugar.
- d. guanine, thymine, and simple sugar.

ANSWER: b
POINTS: 1
REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 3:46 AM

DATE MODIFIED: 3/23/2021 3:47 AM

QUESTION ID: JFND-GTTI-8R4D-RPKF

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJO-8YAU-O3JW-CEAS-KQJZ-CWSS-KA5D-8YSS-KQJS-GOSU-QP3A-GWSU-KAUG-GW5S-EAMB-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

30. Each cell in our body
- contains 26 chromosomes.
 - is turned "on" or "off" by cytosine.
 - contains 20,000–25,000 genes.
 - is capable of reproducing an infinite number of times.

ANSWER: c

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 3:48 AM

DATE MODIFIED: 3/23/2021 3:49 AM

QUESTION ID: JFND-GTTI-8R4D-RPKD

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJT-CITU-YC5F-CR4U-K3UD-GRSU-OC5N-CRSU-RP5N-GOSS-EC3T-CESS-NPJU-8R4G-KCJ1-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

31. Of the 46 chromosomes in a normal human cell, how many are contributed by the mother?
- All
 - It depends upon the gender of the child.
 - 23
 - None

ANSWER: c

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 3:50 AM

DATE MODIFIED: 3/23/2021 3:52 AM

QUESTION ID: JFND-GTTI-8R4D-RPJ1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMR-CEAG-RA3Z-GCHD-1CTA-GESS-
KATO-8RSS-RPDR-GOSS-EPBI-8RSU-KC3S-CPTS-CC3O-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

32. Of the 46 chromosomes in a normal human cell, how many are contributed by the father?

- a. All
- b. It depends upon the gender of the child.
- c. 23
- d. None

ANSWER: c

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 3:52 AM

DATE MODIFIED: 3/23/2021 3:53 AM

QUESTION ID: JFND-GTTI-8R4D-RPJS

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJT-8FTU-GQDD-CJTD-KCTU-CESU-RC5G-8YSS-
CAUF-GOSU-NPJS-GESU-R3MD-COAD-NPMB-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

33. Which of the following MOST accurately describes what genes do?

- a. Regulate the development of traits.
- b. Determine the gender of the child.
- c. Work together with the environment to influence development.
- d. Hardwire people for certain levels of certain traits.

ANSWER: a

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 3:54 AM

DATE MODIFIED: 3/23/2021 3:56 AM

QUESTION ID: JFND-GTTI-8R4D-GOKN

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJI-GOAG-G3BS-CR4D-CPT1-GCSU-KCBT-CESU-
EAMD-GOSU-CPT3-GWSU-OAJS-GCAG-NATW-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

34. Deoxyribonucleic acid (DNA) consists of all of the following EXCEPT

- a. phosphate.

- b. indolamine.
- c. cytosine.
- d. guanine.

ANSWER: b

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 3:56 AM

DATE MODIFIED: 3/23/2021 3:58 AM

QUESTION ID: JFND-GTTI-8R4D-GOKR

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-CEHS-CA3U-GJUG-KCJS-GOSS-KQDD-CESU-KQBI-GOSS-ECMB-8YSS-K3DN-GO5D-NCDD-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

35. DNA stands for

- a. deoxyribonucleic acid.
- b. Dionyotic acetate.
- c. Diophosphate nucleic acetone.
- d. dionucleic acid.

ANSWER: a

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 3:58 AM

DATE MODIFIED: 3/23/2021 4:00 AM

QUESTION ID: JFND-GTTI-8R4D-GOJT

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-GE5D-KCDF-CW4G-EPJA-CASS-KA3W-8RSU-RCT3-GOSU-C3TT-CCSU-Y3BU-GY3U-KAUB-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

36. Our genetic code is carried into new cells in our bodies through what process?

- a. Mutation
- b. Auto some replacement
- c. Mendel replication
- d. Mitosis

ANSWER: d

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:00 AM

DATE MODIFIED: 3/23/2021 4:01 AM

QUESTION ID: JFND-GTTI-8R4D-GOJO

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ1-8Y4U-RC5R-GJ1G-EPB3-GESE-ECT1-8YSS-RQJU-GOSU-YPDF-GCSU-RATW-GYHG-EAUR-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

37. The process of mitosis results in new cells containing identical genetic codes. That is, unless what occurs?

- a. Reduction division
- b. Cell death
- c. Mutations
- d. Neural pruning

ANSWER: c

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:02 AM

DATE MODIFIED: 3/23/2021 4:03 AM

QUESTION ID: JFND-GTTI-8R4D-GOJZ

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-GW3G-NCUF-GW3U-KPT1-GESE-EQDD-CESU-RCMG-GOSU-O3UR-CESU-EPUB-CEAS-CCBO-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

38. Sperm and ova are produced through meiosis, otherwise known as

- a. cloning.
- b. mutation.
- c. cross-fertilization.
- d. reduction division.

ANSWER: d

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment

TIVES: (nurture) interact to influence development.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 4:03 AM

DATE MODIFIED: 3/23/2021 4:05 AM

QUESTION ID: JFND-GTTI-8R4D-GOJS

**QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID:** 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ1-GB1S-KPMG-GP1D-ECJZ-GASU-1CJI-8RSS-
CP3T-GOSS-CPBT-GOSS-N3DD-GBTD-KPTW-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

39. Of the 23 pairs of chromosomes, 22 pairs look alike and possess genetic information concerning the same traits. These are

- a. sex chromosomes.
- b. identical chromosomes.
- c. autosomes.
- d. alleles.

ANSWER: c

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVE: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment

TIVES: (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:05 AM

DATE MODIFIED: 3/23/2021 4:07 AM

QUESTION ID: JFND-GTTI-8R4D-GOJI

**QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID:** 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJI-GCHG-NC5R-CE4D-EP3U-CWSU-O3JW-
CESS-GCTA-GOSU-QA5D-GRSU-OA3O-CW3D-O3UG-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

40. Which pair of chromosomes determines a person's sex?

- a. The 23rd chromosome determines sex.
- b. The first chromosome determines sex.
- c. None determines sex.
- d. They all determine sex.

ANSWER: a

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVE: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment

TIVES: (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:07 AM

DATE MODIFIED: 3/23/2021 4:09 AM

QUESTION ID: JFND-GTTI-8R4D-GO1N

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-CJUD-RCJ1-CE3D-C3BU-GYSS-KPMN-CRSU-GCJT-GOSU-GCTO-GESU-OC3A-GY3D-OCTU-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

41. The mother always contributes a(n)

- a. Y sex chromosome.
- b. X sex chromosome.
- c. XX sex chromosome.
- d. XY sex chromosome.

ANSWER: b

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:09 AM

DATE MODIFIED: 3/23/2021 4:12 AM

QUESTION ID: JFND-GTTI-8R4D-GOTA

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GO4U-NP3I-GW4S-N3DR-8YSU-EPJZ-8RSS-EPJZ-GOSS-GP3A-CESU-RCDN-GRAG-NCUN-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

42. If a woman produces two ova in the same month and these are fertilized by different sperm cells, the result is

- a. monozygotic twins.
- b. dizygotic twins.
- c. homozygous twins.
- d. a single birth pregnancy.

ANSWER: b

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:12 AM

DATE MODIFIED: 3/23/2021 4:14 AM

QUESTION ID: JFND-GTTI-8R4D-GO1D

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJI-GEAD-CCJI-GY5G-EAJW-8YSU-OCUG-8YSU-G3DD-GOSU-Q3T3-CCSS-GPBO-C31U-EQJT-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

43. A zygote that divides into two genetically identical replicas is called

- a. monozygotic twins.
- b. dizygotic twins.
- c. cross-fertilization.
- d. mitosis.

ANSWER: a

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:15 AM

DATE MODIFIED: 3/23/2021 4:16 AM

QUESTION ID: JFND-GTTI-8R4D-GOTT

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMR-8RAD-CCMD-8R5U-KCJA-GCSU-Y3B1-CRSS-GCJU-GOSU-OPJZ-CRSS-EAJO-C31U-KCJA-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

44. Of twin pregnancies, how many of these are dizygotic twins?

- a. One-half
- b. One-third
- c. Two-thirds
- d. One-fourth

ANSWER: c

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:17 AM

DATE MODIFIED: 3/23/2021 4:19 AM

QUESTION ID: JFND-GTTI-8R4D-GOTS

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMN-CJ1D-K3MF-CWAD-NQBO-GCSU-NPJT-CRSU-YPUB-GOSS-GCMR-GASS-RQJ1-COHG-RQJA-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

45. Which statement is MOST accurate about monozygotic twins?

- a. They are also called *fraternal* twins.
- b. They result when two eggs are fertilized.
- c. They occur with different frequency in different ethnic groups.
- d. They are more common in older women.

ANSWER: d

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:19 AM

DATE MODIFIED: 3/23/2021 4:21 AM

QUESTION ID: JFND-GTTI-8R4D-GQNB

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMB-CA3S-NA5R-GE3D-CPUG-COSS-NQBW-CR3S-CA3W-GOSS-E3MF-GESU-NCUB-CWAD-GAMD-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

46. Which statement about monozygotic twins is FALSE?

- a. Monozygotic twins usually include one male and one female child.
- b. Monozygotic twins are also called *identical* twins.
- c. Monozygotic twins are more common now than in the past.
- d. Monozygotic twins occur with equal frequency among all ethnic groups.

ANSWER: a

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:21 AM

DATE MODIFIED: 3/23/2021 4:23 AM

QUESTION ID: JFND-GTTI-8R4D-GQNG

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMR-GFTD-13B3-CC5D-EPJT-GASU-KP5D-8RSS-CA5R-GOSS-GQDG-GCSU-QP5D-CCAS-CC3S-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

47. Which statement about dizygotic twins is MOST accurate?

- a. They are more common among African Americans than any other ethnic or racial group.
- b. They are more common among Asian Americans.
- c. They are more common among European Americans.
- d. They occur with equal frequency among all ethnic and racial groups.

ANSWER: a

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment

TIVES: (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:23 AM

DATE MODIFIED: 3/23/2021 4:24 AM

QUESTION ID: JFND-GTTI-8R4D-GQNF

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJO-CRHG-GPTS-CP1D-KCMN-GOSU-Y3TA-CR55-KA5B-GOSU-RP33-GWSS-CAJA-8FTG-CPTT-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

48. A woman who gives birth to dizygotic twins

- a. is most likely an Asian American.
- b. has a decreased chance of subsequent pregnancies.
- c. is likely to be a young mother.
- d. has an increased chance of giving birth to twins in future pregnancies.

ANSWER: d

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVE: 7.2.3 - Explain the ways in which heredity (nature) and the environment

TIVES: (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:25 AM

DATE MODIFIED: 3/23/2021 4:27 AM

QUESTION ID: JFND-GTTI-8R4D-GQND

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMG-GW3D-YA3A-CEHG-CPJZ-8YSS-RCMF-8RSS-R3DD-GOSU-1CJO-CESU-YCUD-GR5U-QPBT-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

49. The chance of conceiving twins increases with parental age due to

- a. irregular ovulation and the use of fertility drugs.
- b. irregular sperm and the use of fertility drugs.
- c. irregular ovulation and irregular sperm.
- d. irregular sperm and genetic irregularities in ovum.

ANSWER: a

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVE: 7.2.3 - Explain the ways in which heredity (nature) and the environment

TIVES: (nurture) interact to influence development.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 4:27 AM

DATE MODIFIED: 3/23/2021 4:30 AM

QUESTION ID: JFND-GTTI-8R4D-GQBT

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-8R5D-RQJW-GH4G-C3TU-
GESU-1PMB-8YSS-NPBO-GOSU-GCDR-CASU-YAUN-GY5S-KCDR-E7JI-YT4D-JFNN-4OTI-
GO4W-NQNBEE

50. Each member of a pair of genes is referred to as a(n)

- a. homozygous trait.
- b. heterozygous trait.
- c. autosome.
- d. allele.

ANSWER: d

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:30 AM

DATE MODIFIED: 3/23/2021 4:32 AM

QUESTION ID: JFND-GTTI-8R4D-GQBW

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJO-G31G-ECMG-G7UD-YPB3-GHSU-1CTW-
CESS-GPMN-GOSS-NC5B-GESE-KQDF-CP1S-KCTO-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

51. Gregor Mendel, in his work with pea plants, discovered that the offspring from crossing purebred tall pea plants with purebred dwarf pea plants were tall. Mendel called this the law of

- a. Co dominance.
- b. dominance.
- c. dominant autosomes.
- d. epigenesis.

ANSWER: b

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:32 AM

DATE MODIFIED: 3/23/2021 4:35 AM

QUESTION ID: JFND-GTTI-8R4D-GQJ3

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ3-CEAG-KPBS-C3UG-NCDN-GOSS-
GAUR-8YSU-KPDF-GOSS-NPTU-GWSS-GA5R-8YAS-KCJI-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

52. If a child receives a dominant allele for brown hair from one parent and a recessive allele for blonde hair from the other, what do we know?

- a. The child will have blonde hair.
- b. We cannot predict the potential hair color of the child on the basis of this information.
- c. The child will have brown hair.
- d. The child will be female.

ANSWER: c

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 4:36 AM

DATE MODIFIED: 3/23/2021 4:38 AM

QUESTION ID: JFND-GTTI-8R4D-GQJU

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ1-8F1U-N3JI-CE4D-NQJ3-CCSU-NC3U-8YSU-1PB1-GOSS-KP33-GRSU-Y3UR-8Y5D-KPBA-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

53. If a child receives an allele for blue eyes and an allele for brown eyes, then the child is

- a. going to have blue eyes.
- b. homozygous for that trait.
- c. heterozygous for that trait.
- d. exhibiting the law of recession.

ANSWER: c

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 4:38 AM

DATE MODIFIED: 3/23/2021 4:41 AM

QUESTION ID: JFND-GTTI-8R4D-GQJZ

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJS-GW4U-N3DD-GBUG-CC3I-CASU-RCMG-CRSS-EPJO-GOSU-OA5D-GRSU-KATO-GA3U-RQBT-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

54. About what percent of the offspring of brown-haired parents who carry recessive genes for blonde hair will have blond hair?

- a. 25%

- b. 50%
- c. 75%
- d. 100%

ANSWER: a

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:41 AM

DATE MODIFIED: 3/23/2021 4:43 AM

QUESTION ID: JFND-GTTI-8R4D-GTKN

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMF-CJUD-1CMN-CJUD-QCBO-GESS-RA3W-8RSS-NQMR-GOSU-EPTT-GRSS-E3TU-CW4U-OCTZ-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

55. Dominant alleles

- a. will cause characteristics in individuals when paired with recessive alleles.
- b. come from the father of the developing child.
- c. cannot determine physical characteristics.
- d. will determine physical characteristics only in offspring of the same sex as the parent that contributed that trait.

ANSWER: a

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:44 AM

DATE MODIFIED: 3/23/2021 4:46 AM

QUESTION ID: JFND-GTTI-8R4D-GTJA

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-CA3D-Q3UF-GR5D-OPMN-GYSU-CQMG-CESS-G3MB-GOSU-KA3T-CESU-R3T1-8Y5S-NAJU-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

56. Carriers of certain genetic characteristics can pass that gene on even if

- a. the other parent has a dominant gene for the same characteristic.
- b. characteristics in the environment activate it.
- c. they are male.
- d. they also have a dominant gene for the same characteristic.

ANSWER: a

POINTS: 1
REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.
KEYWORDS: Bloom's: Understand
DATE CREATED: 3/23/2021 4:46 AM
DATE MODIFIED: 3/23/2021 4:49 AM
QUESTION ID: JFND-GTTI-8R4D-GTKF
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJW-GT1U-N3JS-CR5G-CA5R-GYSS-CQMN-8RSU-NCT1-GOSU-EPB3-GHSS-GC5R-GR5U-KQBZ-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

57. Some examples of recessive traits include blonde hair, lactose intolerance, myopia, and

- a. curly hair.
- b. type O blood.
- c. type A blood.
- d. farsightedness.

ANSWER: b

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:50 AM

DATE MODIFIED: 3/23/2021 4:52 AM

QUESTION ID: JFND-GTTI-8R4D-GTKR

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ3-CO3S-KCJS-GCHU-CCUB-GESU-OCBZ-CRSU-EPDD-GOSS-KC5R-GHSU-OCBS-GE5S-EAUG-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

58. Jake carries a dominant trait for normal vision and a recessive trait for red–green color blindness (or *protanopia*). As a result, Jake will have

- a. farsighted vision.
- b. nearsighted vision (myopia).
- c. red–green color blindness.
- d. normal vision.

ANSWER: d

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 4:52 AM

DATE MODIFIED: 3/23/2021 4:54 AM

QUESTION ID: JFND-GTTI-8R4D-GTJU

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJZ-8B1U-EQBW-C3TU-K3DG-COSS-ECDB-8RSS-EQBW-GOSU-QQJS-GASU-NPDF-GA5G-RCDB-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

59. Someone suffering from cystic fibrosis

- a. carries it as a recessive gene.
- b. suffers from an inability to produce mucus.
- c. has more than 23 chromosomal pairs.
- d. is likely to have a younger mother.

ANSWER: a

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 4:54 AM

DATE MODIFIED: 3/23/2021 4:56 AM

QUESTION ID: JFND-GTTI-8R4D-GTJ1

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-CA5G-KPUG-GC5D-13TS-CCSS-GCBI-CESS-R3B3-GOSS-GPTT-GWSS-EP5B-GR4U-N3TO-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

60. Which of the following is caused by a single pair of genes?

- a. Cystic fibrosis
- b. Down syndrome
- c. Sex-linked chromosomal abnormalities
- d. Crohn's disease

ANSWER: a

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:56 AM

DATE MODIFIED: 3/23/2021 4:58 AM

QUESTION ID: JFND-GTTI-8R4D-GTJO

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-CR4U-GPDG-G3UG-GC31-CESS-RP5N-CESS-KPDF-GOSU-GCJA-GCSS-NQBW-GRHS-EC3U-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

61. Diabetes mellitus, epilepsy, and peptic ulcers are multi factorial problems. That means that they
- have unknown causes.
 - are the result of genetics.
 - are the result of factors in the person's environment.
 - reflect genetic and environmental causes.

ANSWER: d

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 4:58 AM

DATE MODIFIED: 3/23/2021 5:00 AM

QUESTION ID: JFND-GTTI-8R4D-GTJZ

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJT-GJ1D-ECJI-CO5U-N3UD-GCSS-GCUR-8RSS-KAJZ-GOSU-QPDF-GOSU-OAUB-GE4D-EPTW-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

62. There is a positive correlation between age of parents and incidence of Down syndrome. What does this mean?
- Younger parents are more likely to have children with Down syndrome.
 - Older parents are more likely to have children with Down syndrome.
 - Older parents are less likely to have children with Down syndrome.
 - All parents, regardless of their age, are equally likely to have children with Down syndrome.

ANSWER: b

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 5:01 AM

DATE MODIFIED: 3/23/2021 5:03 AM

QUESTION ID: JFND-GTTI-8R4D-GTJW

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJO-GR4U-Y3B1-GO5D-YCTZ-GASS-ECJA-8YSU-YCJU-GOSU-EPB1-GASS-N3TO-G7TU-NQB3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

63. Dev is 45 years old. Compared to men who are below the age of 30, Dev is five to six times more likely to have a

child with

- a. red-green color blindness.
- b. Turner syndrome.
- c. cystic fibrosis.
- d. autistic disorders.

ANSWER: d

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 5:04 AM

DATE MODIFIED: 3/23/2021 5:06 AM

QUESTION ID: JFND-GTTI-8R4D-GT1B

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJW-GWHS-EPTI-GTTU-EA3I-GYSU-GQMN-CRSS-GQJ1-GOSS-E3TA-GCSS-K3JZ-G71G-NAMF-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

64. Individuals with Down syndrome

- a. do not typically suffer adjustment problems.
- b. have few, if any, physical problems.
- c. show deficits in cognitive development.
- d. have chromosomal damage on the eighth chromosome.

ANSWER: c

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 5:06 AM

DATE MODIFIED: 3/23/2021 5:13 AM

QUESTION ID: JFND-GTTI-8R4D-GTTA

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJO-CW5D-NCUB-GWAG-KP3A-GWSU-NPTA-8RSU-GQJA-GOSS-N3BI-GWSU-RCBO-8RAU-GATT-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

65. Down syndrome is linked to

- a. alcohol abuse by the father.
- b. abnormalities of the 21st pair of chromosomes.
- c. sex-linked chromosomal abnormalities.
- d. the teratogenic effects of contracting rubella during pregnancy.

ANSWER: b
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 5:14 AM
DATE MODIFIED: 3/23/2021 5:17 AM
QUESTION ID: JFND-GTTI-8R4D-GTT1
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMR-8Y3D-1AUD-G71D-RCBO-GCSU-RPJU-8YSU-1P5G-GOSS-CCT1-GYSU-Y3UD-GY5D-QAUG-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

66. The textbook suggests that XYY males are overrepresented in prison populations. This suggests that
- a. they may be less intelligent than “normal.”
 - b. they are much less aggressive than is “normal.”
 - c. they commit more crimes against persons, not property.
 - d. more people with XYY chromosomal patterns come from non dominant (minority) groups.

ANSWER: a
POINTS: 1
DIFFICULTY: Conceptual
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
DATE CREATED: 3/23/2021 5:17 AM
DATE MODIFIED: 3/23/2021 5:19 AM
QUESTION ID: JFND-GTTI-8R4D-GTTO
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJW-GH3D-NPUG-C3UD-KAMB-GHSS-GPBZ-8YSU-CATS-GOSU-GCMB-GRSS-NPTT-G3OS-C3DN-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

67. Males with XYY sex chromosomal structure
- a. tend to be shorter than average.
 - b. have higher levels of intelligence than average.
 - c. are often mildly delayed, such as in language development.
 - d. are much less aggressive than average.

ANSWER: c
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 5:19 AM

DATE MODIFIED: 3/23/2021 5:21 AM

QUESTION ID: JFND-GTTI-8R4D-GTTZ

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJI-CO4U-CCTZ-G3TS-GPJA-GCSS-CA3O-CRSU-1CDF-GOSS-RQJI-CWSS-NCDD-CRHS-N3B3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

68. What is the approximate rate of occurrence of males who have an extra Y chromosome, resulting in the configuration XYY?

- a. Zero, because this disorder affects females only
- b. One in 50–70
- c. One in 700–1,000
- d. One in 3

ANSWER: c

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 5:23 AM

DATE MODIFIED: 3/23/2021 5:25 AM

QUESTION ID: JFND-GTTI-8R4D-GTTI

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMG-GT1U-QC3S-CJ1D-KCDF-CCSS-KPMG-8YSU-OPBA-GOSS-G3MG-CASS-KPUG-CT1D-EQDD-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

69. In comparison to the average male population, individuals with Klinefelter syndrome produce

- a. more estrogen than normal.
- b. less estrogen than normal.
- c. more testosterone than normal.
- d. less testosterone than normal.

ANSWER: d

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 5:25 AM

DATE MODIFIED: 3/23/2021 5:27 AM

QUESTION ID: JFND-GTTI-8R4D-GO33

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ3-CE3G-NCUG-CO3U-O3BI-GASU-E3BZ-CESU-RA3Z-GOSS-K3TO-GWSS-NC33-GOAG-RPDR-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

70. What is the incidence, or rate of occurrence, of Klinefelter syndrome?

- a. 1 in 150 women
- b. 1 in 300 men
- c. 1 in 500 men
- d. 1 in 2,500 women

ANSWER: c

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 5:27 AM

DATE MODIFIED: 3/23/2021 5:29 AM

QUESTION ID: JFND-GTTI-8R4D-GO4F

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ3-CR3U-YCMF-GC4D-QCUN-8YSU-KPMG-CESU-EP33-GOSS-GCUF-CASU-RCBO-CC5U-EP3I-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

71. Roger is undergoing treatment for a sex-linked chromosomal abnormality. He is treated with testosterone replacement therapy, which fosters the growth of male sex characteristics and elevates his mood but does not reverse his infertility. Roger is being treated for

- a. Klinefelter syndrome.
- b. Turner syndrome.
- c. "super male" syndrome.
- d. Down syndrome.

ANSWER: a

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 5:41 AM

DATE MODIFIED: 3/23/2021 5:43 AM

QUESTION ID: JFND-GTTI-8R4D-ET1G

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ1-COHD-CPT1-GFOS-ECUR-GCSS-NAJO-
CRSU-RCDF-GOSU-R3TZ-8YSS-RA3S-GT1U-QQBI-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

72. A girl who does not develop breasts or menstruate
- likely produces low levels of testosterone.
 - may have only one Y sex chromosome.
 - may have Turner syndrome.
 - should be screened for Klinefelter syndrome.

ANSWER: c

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 5:44 AM

DATE MODIFIED: 3/23/2021 5:46 AM

QUESTION ID: JFND-GTTI-8R4D-ETBT

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMN-GRHG-RC5N-8BUG-RCTW-GCSU-G3UF-
CESU-EQBO-GOSU-Q3UG-CRSU-KPJU-C3TD-GCTW-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

73. Girls with Turner syndrome
- are physically the same as girls who do not have Turner syndrome.
 - produce little estrogen.
 - produce more testosterone than normal.
 - are more likely to give birth to twins.

ANSWER: b

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 5:46 AM

DATE MODIFIED: 3/23/2021 5:48 AM

QUESTION ID: JFND-GTTI-8R4D-ETBS

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJS-GR4G-GCJS-CO3U-YQB3-CESS-GQMD-
CESU-1P3U-GOSU-RATS-GYSU-OC3I-CA5D-NA5R-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

74. Compared to girls with XY sex chromosomes, girls with Turner syndrome
- have an extra X sex chromosome.

- b. have an extra Y sex chromosome.
- c. are taller than average.
- d. have a single X sex chromosome.

ANSWER: d

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 5:49 AM

DATE MODIFIED: 3/23/2021 5:51 AM

QUESTION ID: JFND-GTTI-8R4D-ECT3

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMG-GY5U-K3JI-GJTG-GQDB-COSU-KQBI-8YSS-ECTU-GOSU-1CTZ-CWSU-CP3W-GY4D-GPJ1-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

75. Anya is female. She is infertile and has trouble with visual-spatial skills and mathematics and also struggles with her nonverbal memory. She most likely has

- a. Turner syndrome.
- b. single X syndrome.
- c. triple Y syndrome.
- d. "super female" syndrome.

ANSWER: a

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 5:52 AM

DATE MODIFIED: 3/23/2021 5:54 AM

QUESTION ID: JFND-GTTI-8R4D-ECKF

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GE4D-E3MR-GYAS-RCDN-GCSU-OPTA-CRSU-E3UG-GOSU-KCDB-CWSU-EPBS-GJ1U-OAMR-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

76. What outcome is likely if both parents are carriers of phenylketonuria (PKU)?

- a. One child out of four will develop the disorder.
- b. None of the children will develop the disorder.
- c. Their daughters are more likely to develop the disorder than their sons.
- d. All of their children will develop the disorder.

ANSWER: a

POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 5:54 AM
DATE MODIFIED: 3/23/2021 6:05 AM
QUESTION ID: JFND-GTTI-8R4D-ECKD
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMR-GA4S-GQJ3-GFUD-OATS-CESU-Q3UF-CRSU-KCDG-GOSU-GCUF-GESS-KCUD-GF1U-1P5G-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

77. Phenylketonuria is
- a. an enzyme disorder.
 - b. transmitted by a dominant gene.
 - c. a disorder that manifests itself in all children of carriers.
 - d. an illness that can only occur in boys.

ANSWER: a
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 6:06 AM
DATE MODIFIED: 3/23/2021 6:08 AM
QUESTION ID: JFND-GTTI-8R4D-ECJ1
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-CJ1G-RPTW-CEHS-CPUB-COSU-NCBZ-8RSS-CCUR-GOSS-RCBO-GOSU-RQJT-GHAG-CPMB-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

78. Children with phenylketonuria (PKU)
- a. cannot eat fruits or vegetables.
 - b. have damage to the 21st pair of chromosomes.
 - c. should be placed on a special diet as soon as possible after birth.
 - d. usually live for only a few weeks.

ANSWER: c
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 6:08 AM

DATE MODIFIED: 3/23/2021 6:10 AM

QUESTION ID: JFND-GTTI-8R4D-ECJT

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ1-CFOU-13JZ-CO5U-1C3I-GHSS-CC3S-8RSS-CPT3-GOSU-RC5B-GRSU-NAJI-GR5G-NQDF-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

79. Children with phenylketonuria (PKU) cannot metabolize an amino acid called *phenylalanine*. As a result, the substance builds up in their bodies and

- a. causes them to be overweight.
- b. causes night blindness.
- c. causes hemophilia.
- d. impairs central nervous system functioning.

ANSWER: d

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 6:11 AM

DATE MODIFIED: 3/23/2021 6:13 AM

QUESTION ID: JFND-GTTI-8R4D-ECJO

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMB-GAHS-NCUG-8YAS-C3TU-GHSS-GPTZ-CRSU-K3J3-GOSS-N3BZ-CCSU-KPB3-CTOU-GP3W-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

80. Maria and Michael have just been told that their newborn child has tested positive for phenylketonuria (PKU). What does this mean?

- a. The condition can be cured through medication.
- b. The illness can be controlled through a strict exercise regimen.
- c. The condition will disappear by the time their child is 6 months old.
- d. Their child can develop normally if placed on a special diet early.

ANSWER: d

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 6:14 AM

DATE MODIFIED: 3/23/2021 6:16 AM

QUESTION ID: JFND-GTTI-8R4D-ECJZ

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMN-GC3U-OPBW-GA4D-YC3S-CRSS-
KP3Z-8RSU-1AT3-GOSS-KCB3-CASU-RCTU-CW3D-YCBZ-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

81. Huntington disease is a fatal, progressive degenerative disorder. People who have Huntington disease

- a. must have special diets.
- b. are common, as the rate of this genetic disorder is very high.
- c. usually have delayed onset of this disorder until middle adulthood.
- d. use medications that cure the disorder.

ANSWER: c

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 6:16 AM

DATE MODIFIED: 3/23/2021 6:18 AM

QUESTION ID: JFND-GTTI-8R4D-ECJI

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJS-CWAS-C3T3-G7OS-R3JZ-GHSS-GCJW-
CRSU-OPBZ-GOSU-YQB1-GOSU-13JU-GWAD-CCJ3-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

82. Huntington disease is characterized by which of the following symptoms?

- a. Uncontrollable muscle movements
- b. Savant syndrome
- c. The inability to speak
- d. Mucus buildup in the lungs

ANSWER: a

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 6:19 AM

DATE MODIFIED: 3/23/2021 6:21 AM

QUESTION ID: JFND-GTTI-8R4D-EPT3

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-

GLOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-8F1D-YA3S-GEAD-NQMF-CASU-QPDD-CRSU-K3JZ-GOSS-G3BA-GHSU-RPT1-8RAU-OCMF-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

83. Which of the following individuals would be most likely to develop sickle-cell anemia?

- a. A Caucasian female under the age of 15
- b. An African American
- c. A Caucasian male of any age
- d. A person of Asian heritage

ANSWER: b

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 6:22 AM

DATE MODIFIED: 3/23/2021 6:24 AM

QUESTION ID: JFND-GTTI-8R4D-EPTA

**QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
GLOBAL ID:** 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMR-GO4U-EQBI-G3TD-RAMD-CASS-KPUB-8RSS-CC5G-GOSS-RA3W-8YSS-K3TA-8Y3G-CQJW-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

84. Sickle-cell anemia is caused by

- a. white blood cells that take on the shape of a sickle and clump together.
- b. red blood cells that expand the blood vessels and increase the oxygen supply.
- c. a recessive gene.
- d. a slow destruction of the liver leading to jaundice and swollen joints.

ANSWER: c

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 6:24 AM

DATE MODIFIED: 3/23/2021 6:27 AM

QUESTION ID: JFND-GTTI-8R4D-EP1G

**QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
GLOBAL ID:** 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ3-GO4U-OA3I-CO3S-CC5R-GCSS-RPBS-8YSU-YPJZ-GOSU-KCBI-GCSU-YPTI-8YHG-NP5N-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

85. Which incidence rate most accurately represents the percentage of African Americans who are carriers of sickle-cell anemia?

- a. 1 in 5
- b. 1 in 10
- c. 1 in 20
- d. 1 in 100

ANSWER: b

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 6:27 AM

DATE MODIFIED: 3/23/2021 6:29 AM

QUESTION ID: JFND-GTTI-8R4D-EP1F

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMG-CW5S-EPT3-G3TD-KQMN-CASS-CCBW-8RSS-KPMD-GOSU-NQMR-CCSU-OPJ3-8F1S-CAJ1-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

86. Tia is from Central America. She has a genetic disorder caused by a recessive gene. Her symptoms include impaired cognitive skills caused by decreased oxygen supply, painful joints, and jaundice. Tia has

- a. sickle-cell anemia.
- b. Tay-Sachs disease.
- c. cystic fibrosis.
- d. phenylketonuria (PKU).

ANSWER: a

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 6:29 AM

DATE MODIFIED: 3/23/2021 6:30 AM

QUESTION ID: JFND-GTTI-8R4D-EP1D

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJT-GW3D-QQJI-GR4S-C3BO-GOSU-QQDD-CESU-YCTO-GOSU-R3DR-CCSU-K3MD-GFTS-KAJA-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

87. Which statement is TRUE of Tay-Sachs disease?

- a. It results in delayed blood clotting.
- b. It is characterized by degeneration of the central nervous system.
- c. It is caused by a dominant gene.

d. It is linked to the X chromosome.

ANSWER: b
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 6:33 AM
DATE MODIFIED: 3/23/2021 6:34 AM
QUESTION ID: JFND-GTTI-8R4D-EPTT
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GT1U-RPBO-GEHU-YCJ1-GRSS-CCJW-8YSU-QCMD-GOSU-C3TO-CWSU-ECTU-8BUG-GPJI-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

88. Which of the following individuals is MOST likely to have Tay-Sachs disease?

- a. A 2-year-old Jewish child of Eastern European background
- b. A 10-year-old African American
- c. A 5-year-old European American
- d. A 20-year-old Hispanic male

ANSWER: a
POINTS: 1
DIFFICULTY: Applied
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
DATE CREATED: 3/23/2021 6:35 AM
DATE MODIFIED: 3/23/2021 6:36 AM
QUESTION ID: JFND-GTTI-8R4D-EPTZ
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMB-GC4U-1PMR-GIUG-RQJZ-CRSU-E3JA-8YSU-CAT1-GOSS-GA5F-GYSU-O3JW-GEAU-EC5D-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

89. Which of the following children (male or female) is LEAST likely to have Tay-Sachs disease?

- a. An 8-year-old
- b. A 4-year-old
- c. A 2-year-old
- d. A 1-year-old

ANSWER: a
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 6:37 AM

DATE MODIFIED: 3/23/2021 6:38 AM

QUESTION ID: JFND-GTTI-8R4D-EPTI

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMR-GW5U-GAUN-G7TD-1CTA-GOSS-NP3Z-8RSU-QQMN-GOSS-GAUN-8YSS-R3UD-GOHS-CCTA-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

90. Tay-Sachs disease results in

- a. death, usually by 5 years of age.
- b. painful and swollen joints.
- c. thick mucus that clogs the pancreas and lungs.
- d. a lethal buildup of amino acids in the blood.

ANSWER: a

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 6:39 AM

DATE MODIFIED: 3/23/2021 6:40 AM

QUESTION ID: JFND-GTTI-8R4D-EP4N

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMG-CC5S-NPTT-CIUG-NQDR-CRSS-CPTA-CRSS-K3J3-GOSS-KC3W-CRSU-GC5B-8Y4U-GC3O-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

91. People who bear one dominant and one recessive gene for a trait are

- a. going to automatically pass that characteristic on to their offspring.
- b. definitely going to develop that characteristic.
- c. called *carriers* of the recessive gene.
- d. not going to pass that characteristic on to their offspring.

ANSWER: c

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.1 - Explain the influence of heredity on biological, psychological, and social development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 7:10 AM
DATE MODIFIED: 3/23/2021 7:13 AM
QUESTION ID: JFND-GTTI-8R4D-EPNF

**QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID:** 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMF-CE5G-RP5N-GHHD-GQBS-CESU-
KPDD-8YSU-N3TT-GOSU-1PMN-8RSU-EPMN-CTTU-YCJI-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

92. According to the Cystic Fibrosis Foundation,
- a. cystic fibrosis is the most common fatal hereditary disease among European Americans.
 - b. about 60,000 Americans have the disorder.
 - c. 1 in every 11 people is carriers of this illness.
 - d. cystic fibrosis is more common in European American individuals than any other group.

ANSWER: d
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 7:13 AM
DATE MODIFIED: 3/23/2021 7:15 AM
QUESTION ID: JFND-GTTI-8R4D-EPKB
**QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID:** 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJZ-CR4D-OCBT-GWAD-CPJW-GASU-
ECJA-8RSS-CCDR-GOSU-RQB1-CWSU-EPTI-GRHU-GCTS-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

93. Elliot was born with a genetic disorder that is caused by a recessive gene. His symptoms are thick mucus that clogs his pancreas and lungs. He has many respiratory infections. Elliot most likely has
- a. Huntington disease.
 - b. Tay-Sachs disease.
 - c. cystic fibrosis.
 - d. phenylketonuria (PKU).

ANSWER: c
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Apply
DATE CREATED: 3/23/2021 7:16 AM
DATE MODIFIED: 3/23/2021 7:17 AM
QUESTION ID: JFND-GTTI-8R4D-EPJZ

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ3-GF1S-NAMD-GBTS-R3MR-8RSU-GQJI-CESU-
ECB1-GOSU-CATZ-CCSU-GCJA-CF1D-K3T1-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

94. Sex-linked diseases are more likely to afflict sons of female carriers because

- a. males inherit two X chromosomes from their mothers.
- b. males have only one X sex chromosome.
- c. sex-linked disorders are recessive in fathers.
- d. it is carried only on the Y chromosome.

ANSWER: b

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 7:18 AM

DATE MODIFIED: 3/23/2021 7:20 AM

QUESTION ID: JFND-GTTI-8R4D-EPJS

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJO-CP1D-QCMB-8R3U-GPTO-CASU-RA3O-
CESU-QQBU-GOSS-KPUF-CCSU-1PBZ-GY5D-EQMF-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

95. Which is true of hemophilia?

- a. It is more likely to afflict sons of female carriers than daughters.
- b. It occurs more often in Caucasians than other racial and ethnic groups.
- c. It damages the frontal lobe of the brain.
- d. It often co-occurs with Down syndrome.

ANSWER: a

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 7:20 AM

DATE MODIFIED: 3/23/2021 7:22 AM

QUESTION ID: JFND-GTTI-8R4D-EPJI

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJI-CIUG-EA3I-CPOS-KP5R-GHSS-GQDR-8YSU-
ECUD-GOSU-C3BA-GHSU-C3BI-GCAD-EQDB-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

96. Color blindness is

- a. an enzyme disorder.

- b. a protein-based disorder.
- c. a sex-linked abnormality.
- d. found only in females.

ANSWER: c

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 7:22 AM

DATE MODIFIED: 3/23/2021 7:24 AM

QUESTION ID: JFND-GTTI-8R4D-EPJW

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJO-GCHG-CP3S-CITD-KP5N-CWSU-GCTA-CESU-GC5G-GOSU-YCTU-GOSS-NPBS-G7UD-EPJW-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

97. Color blindness is more likely to occur in

- a. males.
- b. females.
- c. various people, depending upon racial and ethnic background.
- d. those people with higher socioeconomic status.

ANSWER: a

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 7:25 AM

DATE MODIFIED: 3/23/2021 7:26 AM

QUESTION ID: JFND-GTTI-8R4D-KOKN

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJS-GJTS-E3BU-GE5S-KQDN-GRSU-QA3S-CRSU-NQMD-GOSU-CQJS-GWSS-EQBT-GA4G-CPTI-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

98. Which of the following is NOT a sex-linked abnormality?

- a. Duchenne muscular dystrophy
- b. Hemophilia
- c. Color blindness
- d. Down syndrome

ANSWER: d

POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 7:27 AM
DATE MODIFIED: 3/23/2021 7:29 AM
QUESTION ID: JFND-GTTI-8R4D-KOJ3
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJZ-CR3D-OAJ1-GAAU-YPT3-GRSS-KC3O-CRSU-YCB3-GOSU-GPJT-CESU-O3TO-COHU-YC31-E7JI-YT4D-JFNN-40TI-GO4W-NQNBEE

99. Females are less likely than males to show sex-linked disorders because females

- a. have higher levels of estrogen.
- b. do not inherit recessive genes.
- c. have an additional X chromosome.
- d. have higher levels of testosterone.

ANSWER: c
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Understand
DATE CREATED: 3/23/2021 7:29 AM
DATE MODIFIED: 3/23/2021 7:31 AM
QUESTION ID: JFND-GTTI-8R4D-KOJA
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMB-CF1G-GAUN-CC4U-13BO-GASU-YCTW-CRSU-1CBT-GOSU-QAJ1-COSS-EPJS-GEHU-OCBA-E7JI-YT4D-JFNN-40TI-GO4W-NQNBEE

100. Genetic counseling occurs ____; prenatal testing happens ____.

- a. after a woman is pregnant; before a woman is pregnant
- b. before a woman is pregnant; while a woman is pregnant
- c. before conception; before conception
- d. after conception; after conception

ANSWER: b
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic

abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 7:31 AM

DATE MODIFIED: 3/23/2021 7:33 AM

QUESTION ID: JFND-GTTI-8R4D-KOKF

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-CFTS-NPUR-CJ1U-Y3TU-CWSU-QCTU-CRSU-13UR-GOSU-KA5B-CWSU-CQJ3-CRAU-OCTT-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

101. The primary purpose of genetic counseling is to
- advise couples to abort unborn children.
 - prove that a child will develop a certain illness.
 - assist potential parents in making procreation decisions.
 - outline the genetic risks of unprotected sex.

ANSWER: c

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:25 AM

DATE MODIFIED: 3/23/2021 11:28 AM

QUESTION ID: JFND-GTTI-8R4D-QPBU

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJI-GR5S-RPTT-CC5U-NPJT-8YSS-GA3U-8RSU-RQDD-GOSU-QCDD-GESE-NP33-GRAU-R3JA-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

102. A couple is deciding whether or not to try to conceive a child. They meet with a health professional who asks them questions regarding their genetic heritage in order to explore whether their child might develop genetic abnormalities. This process is called

- prenatal testing.
- genetic counseling.
- chorionic villus sampling.
- adoption counseling.

ANSWER: b

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 11:29 AM

DATE MODIFIED: 3/23/2021 11:30 AM

QUESTION ID: JFND-GTTI-8R4D-QPBO

**QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID:** 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJT-8F1S-ECUG-GFOU-RP31-8RSU-EPUR-8YSU-
CCB1-GOSU-NPTZ-CRSU-CQMR-CC4S-G3DR-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

103. The following person is MOST likely to be given an amniocentesis:

- a. an African American female.
- b. an Asian American female.
- c. a female younger than age 20.
- d. a female over the age of 35.

ANSWER: d

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:30 AM

DATE MODIFIED: 3/23/2021 11:32 AM

QUESTION ID: JFND-GTTI-8R4D-QPBZ

**QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID:** 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJW-GJOS-NCMD-8RHD-O3BW-CASS-RCBO-
CRSU-KPTT-GOSS-EPDN-CWSU-13JA-CW4D-YCTO-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

104. With amniocentesis,

- a. a biopsy is taken from the pregnant mother's spine.
- b. fluid is tested from the "sac" containing the fetus.
- c. the father's sperm is tested for genetic abnormalities.
- d. the mother's ova are tested for genetic abnormalities.

ANSWER: b

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:33 AM

DATE MODIFIED: 3/23/2021 11:34 AM

QUESTION ID: JFND-GTTI-8R4D-QPBS

**QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID:** 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJT-CO4G-C3TW-GC3S-KC33-GRSU-Y3J1-8YSS-
NAMF-GOSS-KPMN-GHSS-KCDD-CE4U-OPTZ-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

105. The biggest drawback to amniocentesis is that it can cause
- miscarriages in 1 of every 100 women who undergo the procedure.
 - Cesarean deliveries.
 - mental retardation.
 - the unborn child to be infertile.

ANSWER: a
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 11:35 AM
DATE MODIFIED: 3/23/2021 11:37 AM
QUESTION ID: JFND-GTTI-8R4D-QPBW
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-8FTU-CCTS-COHS-EAT1-GASU-Y3DF-CRSU-GPB1-GOSU-QQB1-GASU-QCUD-CR3G-KATO-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

106. Amniocentesis is encouraged for
- women over the age of 25.
 - women carrying the children of aging fathers.
 - women, or their partners, who have family histories of monozygotic or dizygotic twins.
 - women who are carrying their first pregnancy.

ANSWER: b
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 11:37 AM
DATE MODIFIED: 3/23/2021 11:39 AM
QUESTION ID: JFND-GTTI-8R4D-QPKD
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMF-COAG-NPMD-8R5D-QPMR-GASS-GPJ1-8RSU-QCDG-GOSU-NCMB-GHSU-RCJZ-GO4D-GP31-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

107. The earliest detection of fetal abnormalities is possible with the use of
- amniocentesis.
 - ultrasound.
 - chorionic villus sampling.
 - fetoscopy.

ANSWER: c
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 11:40 AM
DATE MODIFIED: 3/23/2021 11:42 AM
QUESTION ID: JFND-GTTI-8R4U-OO1D
QUESTION GLOBAL ID: G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJO-GW4D-NA5D-G71G-GCUG-GYSU-KCBZ-8RSU-QQDN-GOSU-E3BI-CRSU-RP5F-GR3G-E3B3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

108. Molly is in her 10th week of pregnancy. She is undergoing a procedure in which small threads are removed from the outer membrane that envelops the amniotic sac and fetus. Which procedure is she undergoing?

- a. Cervical variability study
- b. Chorionic villus sampling
- c. Ultrasound sonography
- d. Amniocentesis

ANSWER: b
POINTS: 1
DIFFICULTY: Applied
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
DATE CREATED: 3/23/2021 11:43 AM
DATE MODIFIED: 3/23/2021 11:44 AM
QUESTION ID: JFND-GTTI-8R4U-OOTO
QUESTION GLOBAL ID: G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJO-G31U-QQDD-8FUG-KQMF-GASU-RPBZ-CRSU-GAUB-GOSS-RP3O-CESU-YQBU-GWAU-1AMR-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

109. Which of the following is TRUE regarding amniocentesis and chorionic villus sampling (CVS)?

- a. The risks of spontaneous abortion are about the same with both chorionic villus sampling (CVS) and amniocentesis.
- b. Both are performed 14–16 weeks after conception.
- c. Any trained practitioner can carry out the procedures with equal skill.
- d. Both involve the examination of villi from the membrane that envelops the amniotic sac and fetus.

ANSWER: a
POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Understand
DATE CREATED: 3/23/2021 11:44 AM
DATE MODIFIED: 3/23/2021 11:46 AM
QUESTION ID: JFND-GTTI-8R4U-OOTI
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJT-GY3D-RPBZ-CR3U-KPBW-8YSU-KA3T-8RSS-GQMB-GOSS-R3JO-CESS-R3MF-GI1U-YP3U-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

110. An ultrasound
- uses X-ray photography to make a picture of the unborn child.
 - can be heard by the human ear.
 - yields a picture called a computed tomography (CT) scan.
 - bounces sound waves off of the fetus.

ANSWER: d
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 11:46 AM
DATE MODIFIED: 3/23/2021 11:48 AM
QUESTION ID: JFND-GTTI-8R4U-OQBA
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-8Y3S-GATO-GOAS-CCMN-GCSU-KA5D-8RSU-RPMR-GOSU-QQJ3-CESS-GQBU-GR4U-QAJZ-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

111. A sonogram is produced by using
- ultrasound.
 - fetoscopy.
 - chorionic villus sampling.
 - amniocentesis.

ANSWER: a
POINTS: 1
REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:48 AM

DATE MODIFIED: 3/23/2021 11:50 AM

QUESTION ID: JFND-GTTI-8R4U-OQNR

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJA-GA5G-CA31-GAAS-KC3S-CCSS-GPJ3-CESU-
GCMB-GOSU-EATI-CESU-YATT-GW3G-EA3A-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

112. Ultrasound can be used to detect

- a. Klinefelter syndrome.
- b. cystic fibrosis.
- c. phenylketonuria (PKU).
- d. position of the fetus.

ANSWER: d

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:50 AM

DATE MODIFIED: 3/23/2021 11:52 AM

QUESTION ID: JFND-GTTI-8R4U-OQB1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJW-CRHG-KA5N-GH3U-E3TA-GWSS-
EAJU-8YSS-E3DD-GOSU-EQDF-GRSS-KPBS-GBUG-RP5G-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

113. Mia's fetus has Rh disease, and an intrauterine transfusion is necessary. Which of the following procedures will generate a picture of the fetus to determine fetal positioning and fetal structures?

- a. Ultrasound
- b. Chorionic villus sampling (CVS)
- c. Alpha-fetoprotein (AFP) assay
- d. Amniocentesis

ANSWER: a

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 11:52 AM

DATE MODIFIED: 3/23/2021 11:54 AM

QUESTION ID: JFND-GTTI-8R4U-OQBS

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJZ-CC4D-CCTO-CF1G-GAJ1-GOSU-OAJO-

114. The prenatal screening procedure that poses LEAST risk to the fetus is

- a. amniocentesis.
- b. genetic counseling.
- c. chorionic villus sampling.
- d. alpha-fetoprotein assay (AFP).

ANSWER: d

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:54 AM

DATE MODIFIED: 3/23/2021 11:56 AM

QUESTION ID: JFND-GTTI-8R4U-OQJA

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMR-GAHU-RAJ1-8FTS-CQBO-GOSU-CAJT-CRSU-OCTW-GOSU-GA5B-COSU-1A5D-CIOS-RAMN-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

115. ____ is used to detect neural tube defects such as spin a bifida.

- a. Genetic counseling
- b. Alpha-fetoprotein assay (AFP)
- c. Ultrasound
- d. Rh disease test

ANSWER: b

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:56 AM

DATE MODIFIED: 3/23/2021 11:58 AM

QUESTION ID: JFND-GTTI-8R4U-OQKF

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJZ-CR3G-CQDF-CA5U-1CDD-CASU-EQJ1-8YSU-YPTO-GOSU-C3J3-GHSU-NP3W-CPTG-K3UR-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

116. Alpha-fetoprotein assay (AFP) can be used to

- a. assess sex chromosome abnormalities.

- b. detect neural tube defects.
- c. assess degree of mental retardation.
- d. measure insulin levels in the fetus.

ANSWER: b

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 12:10 PM

DATE MODIFIED: 3/23/2021 12:13 PM

QUESTION ID: JFND-GTTI-8R4U-OQJT

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJS-CTUD-OCBU-GH3S-K3T3-GRSS-GCUR-CESS-K3UG-GOSS-CCBS-CASU-GAMB-8R4D-E3UB-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

117. If a mother has an elevated alpha-fetoprotein (AFP) level, this means her fetus

- a. has neural tube defects.
- b. may have neural tube defects, and this would be examined by amniocentesis or ultrasound.
- c. has a sex-linked disorder.
- d. will be born early.

ANSWER: b

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 12:14 PM

DATE MODIFIED: 3/23/2021 12:16 PM

QUESTION ID: JFND-GTTI-8R4U-OQJZ

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJS-CFUG-KQDG-CO5U-NCTZ-CASU-GAJT-CRSU-EP3I-GOSS-KAUB-8RSU-O3DR-8YAD-13TU-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

118. Of the following, the accurate statement is the following:

- a. There is no risk associated with fetal testing.
- b. Although there is some risk with fetal testing, it is sometimes necessary.
- c. Because of risk, fetal testing should not be done.
- d. The risk in fetal testing is to the mother, not the fetus.

ANSWER: b

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
KEYWORDS: Bloom's: Understand
DATE CREATED: 3/23/2021 12:16 PM
DATE MODIFIED: 3/23/2021 12:18 PM
QUESTION ID: JFND-GTTI-8R4U-OQJW
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMG-CT1U-YA5G-GJTU-R3T1-8YSS-GCBT-CRSS-RAJA-GOSS-NQJ3-GESU-YC3O-8Y4S-NQMG-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

119. Our inherited traits can vary in expression given our unique environments. This is referred to as

- a. reaction range.
- b. phenotype.
- c. genotype.
- d. "averaging" of genetic instructions carried by one's parents.

ANSWER: a
POINTS: 1
REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.1 - Explain the influence of heredity on biological, psychological, and social development.
KEYWORDS: Bloom's: Understand
DATE CREATED: 3/23/2021 12:18 PM
DATE MODIFIED: 3/23/2021 12:20 PM
QUESTION ID: JFND-GTTI-8R4U-OTJA
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJT-GTTG-NCJZ-8B1U-1CUB-CRSU-O3TS-8YSU-QAUB-GOSS-KP3U-GCSU-13TZ-GIOU-YCDF-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

120. Charlotte inherited personality traits, such as her activity and sociability levels, from her parents. Traits we inherit from our parents are referred to as our

- a. phenotype.
- b. temperament.
- c. genotype.
- d. personality.

ANSWER: c
POINTS: 1
REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.1 - Explain the influence of heredity on biological, psychological, and social development.

KEYWORDS: Bloom's: Apply
DATE CREATED: 3/23/2021 12:21 PM
DATE MODIFIED: 3/23/2021 12:23 PM
QUESTION ID: JFND-GTTI-8R4U-OTKF

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ3-GR4S-E3BT-8FTU-GAT1-GWSU-GA3U-CESU-GPJS-GOSU-C3TO-GASU-NQBT-GR4G-G3JW-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

121. Theo not only inherited a tendency to be of very high intelligence from his parents, but on IQ tests, he scores very high. Our actual set of traits that we exhibit, such as an excellent performance on an IQ test, is called

- a. phenotype.
- b. temperament.
- c. genotype.
- d. personality.

ANSWER: a

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 12:23 PM

DATE MODIFIED: 3/23/2021 12:25 PM

QUESTION ID: JFND-GTTI-8R4U-OTKD

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJT-CEAS-KPUF-GC5D-YPBW-GYSS-KAJZ-8RSS-ECUG-GOSU-N3MR-GASU-YCBU-CA5U-GC3O-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

122. Because Sebastian lacks access to healthy food, he may not grow to be as tall as he could. However, if healthy food becomes available, his body may "snap back into its genetically determined path." What is the term used to describe this process?

- a. Canalization
- b. Invariant development
- c. Chromosomalization
- d. Genotype expression

ANSWER: a

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 12:25 PM

DATE MODIFIED: 3/23/2021 12:28 PM

QUESTION ID: JFND-GTTI-8R4U-OTJ1

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJZ-CW5D-YAJ3-8Y4U-ECUN-GESU-OCMB-8RSS-EPJA-GOSS-NPMN-8RSS-GAJ1-GJOS-KPJS-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

123. Which of the following is LESS highly canalized?

- a. Learning to sit up
- b. Learning to crawl
- c. Learning to speak two-word utterances
- d. Intelligence

ANSWER: d

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 12:28 PM

DATE MODIFIED: 3/23/2021 12:30 PM

QUESTION ID: JFND-GTTI-8R4U-OTJS

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ1-GY3U-CQJA-GAHD-13DB-CRSU-QAJU-CRSU-YCUF-GOSS-KATU-GASU-1C5N-GO4S-EPJW-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

124. Developmental psychologist Sandra Scarr described three types of correlations between genetic and environmental influences. These are passive, active, and

- a. ongoing.
- b. evocative.
- c. restrictive.
- d. inherent.

ANSWER: b

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 12:30 PM

DATE MODIFIED: 3/23/2021 12:32 PM

QUESTION ID: JFND-GTTI-8R4U-OTJI

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ1-CPUG-EAJW-8BUD-E3DF-CWSU-YPJT-CRSU-CA5R-GOSU-CAMD-GRSU-E3UD-8R5U-NPBA-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

125. Nicole is a long-distance runner. She believes in the importance of proper diet and exercise. As such, she provides a healthy diet for her 2-year-old daughter, enrolls her in toddler gymnastic classes, and encourages her daughter's outdoor physical activities. Which of the following genetic–environmental correlations does this BEST represent?

- a. Passive
- b. Evocative
- c. Active
- d. Industrious

ANSWER: a

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 12:32 PM

DATE MODIFIED: 3/23/2021 12:34 PM

QUESTION ID: JFND-GTTI-8R4U-OTJW

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ1-CRAG-KCUN-8Y5S-E3TO-GRSS-EPBS-CRSS-GCT1-GOSU-EC31-GWSS-RQJW-GTUG-KP3O-E7JI-YT4D-JFNN-4OTI-GO4W-NQN BEE

126. Elijah is very shy. He is quiet and rarely seeks out other children to play with. His parents, teachers, and friends leave him alone to play and spend time by himself. Which genetic–environmental correlation does this best represent?

- a. Passive
- b. Evocative
- c. Active
- d. Industrious

ANSWER: b

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 12:34 PM

DATE MODIFIED: 3/23/2021 12:36 PM

QUESTION ID: JFND-GTTI-8R4U-OT1B

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-C3TD-1PTW-GO5D-Q3JO-GASU-EQJZ-CRSU-NC3W-GOSU-QP3O-8YSS-RAMN-8R3D-QCBS-E7JI-YT4D-JFNN-4OTI-GO4W-NQN BEE

127. Jenny is a high school freshman. She has always enjoyed playing musical instruments. As a result, she decides to join the marching band at her school as well as take a class in music theory. Which of the following genetic–environmental correlations does this best represent?

- a. Passive
- b. Evocative
- c. Active
- d. Industrious

ANSWER: b

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 12:36 PM

DATE MODIFIED: 3/23/2021 12:38 PM

QUESTION ID: JFND-GTTI-8R4U-OT1G

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMN-CO3U-GAT3-8R5U-EA3T-CWSU-QPBI-CRSU-CATA-GOSS-EATT-CRSS-CP3U-GC4U-K3UD-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

128. Matthew likes to sing, dance, and act, so he decided to join the theatre club at his high school. Choosing environments that allow us to develop inherited preferences is termed

- a. niche-picking.
- b. epigenesis.
- c. ecological interaction.
- d. evocative genotype.

ANSWER: a

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 12:38 PM

DATE MODIFIED: 3/23/2021 12:40 PM

QUESTION ID: JFND-GTTI-8R4U-OT1R

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ3-GP1D-EP3A-COHD-NPB3-CCSU-K3DN-8RSU-RPDG-GOSU-NQJW-CESU-1PTW-CO3D-N3DB-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

129. Which of the following is TRUE regarding parents and their children?

- a. They share about 50% of their genetic material.
- b. They share recessive genes only.
- c. They share dominant genes only.
- d. They share about 25% of their genetic material.

ANSWER: a
POINTS: 1
REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.
KEYWORDS: Bloom's: Understand
DATE CREATED: 3/23/2021 12:40 PM
DATE MODIFIED: 3/23/2021 12:42 PM
QUESTION ID: JFND-GTTI-8R4U-OT1D
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMN-GWHU-QC5D-GRAG-NPBU-GCSU-NA3T-8YSU-CA5R-GOSU-OPTT-GOSU-YP3W-GA3G-C3MF-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBE

130. If genes are implicated in any given physical trait or behavior pattern, then you would expect that
- dizygotic (DZ) twins would be more similar on the trait than monozygotic (MZ) twins.
 - all people in a given family would express the trait similarly.
 - cousins would be more similar on the trait than siblings.
 - siblings would be more similar on the trait than cousins.

ANSWER: d
POINTS: 1
REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.
KEYWORDS: Bloom's: Understand
DATE CREATED: 3/23/2021 12:43 PM
DATE MODIFIED: 3/23/2021 12:45 PM
QUESTION ID: JFND-GTTI-8R4U-OTTS
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ3-8Y3U-Q3TT-GW3U-EPBO-COSS-EPT3-CESU-YP3S-GOSS-KPT1-GESE-RPTU-CCHU-1CJA-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBE

131. Which of the following twin pair would physically resemble each other the most?
- Dizygotic of either sex
 - Monozygotic
 - Dizygotic males
 - Monozygotic, but only if female

ANSWER: b
POINTS: 1
REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 10:45 PM

DATE MODIFIED: 3/23/2021 10:47 PM

QUESTION ID: JFND-GTTI-8R4W-NPKN

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMN-GIOS-CPMB-GA5U-EAJ3-GOSS-NQB3-CRSS-NCMN-GOSU-ECJW-COSU-QP5F-CT1S-GQJZ-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

132. In comparison to dizygotic (DZ) twins, monozygotic (MZ) twins are
- a. less likely to look alike or be of similar height.
 - b. more likely to be similar on physical characteristics, such as blood pressure and brain-wave patterns.
 - c. less likely to share the same psychological disorders.
 - d. more likely to differ on levels of happiness and sociability.

ANSWER: b

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 10:47 PM

DATE MODIFIED: 3/23/2021 10:49 PM

QUESTION ID: JFND-GTTI-8R4W-NPJA

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMF-GCAS-EP3I-GFTG-GQDD-COSS-EPMG-CESS-CAT1-GOSS-CC33-CASS-KATW-GO3G-RCUN-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

133. What could influence behavioral similarity in monozygotic twins?
- a. Parents and others who treat them alike
 - b. The degree of genetic similarity they share
 - c. Whether the twins are male or female
 - d. No factors in particular will influence behavioral similarity.

ANSWER: a

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 10:50 PM

DATE MODIFIED: 3/23/2021 10:51 PM

QUESTION ID: JFND-GTTI-8R4W-NPKD

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-8R3S-GPUG-GE5U-1AT3-CRSS-CPJ1-CESU-
E3B3-GOSS-E3JT-GRSU-G3BT-CTUG-RCTW-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

134. Studies on monozygotic twins raised in separate homes are useful for
- treating biological disorders of monozygotic twins.
 - analyzing the academic abilities of twins versus individual children.
 - learning whether twins should be separated or not.
 - identifying the genetics underlying twins' behaviors and attitudes.

ANSWER: d

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's Understand

DATE CREATED: 3/23/2021 10:52 PM

DATE MODIFIED: 3/23/2021 10:54 PM

QUESTION ID: JFND-GTTI-8R4W-NPJO

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJI-8R3G-GPTO-GB1U-OPJA-8RSS-GP5D-8RSS-
EPB1-GOSS-NCBA-GRSS-NPB3-CA4U-EP5N-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

135. Kia and Mia are monozygotic twins. At birth, they were separated and adopted by different families. Kia grew up in Los Angeles. Mia grew up in New York City. Given the research, you would expect Kia and Mia to
- share the same degree of genetic similarity as twins reared together.
 - be less alike, genetically, than dizygotic twins reared together.
 - be identical in genetics, behaviors, and preferences.
 - be no more alike in genetics, behaviors, and preferences than regular siblings.

ANSWER: a

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 10:54 PM

DATE MODIFIED: 3/23/2021 10:55 PM

QUESTION ID: JFND-GTTI-8R4W-NPJW

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJS-GRAS-E3MB-GF1S-RQMF-CRSS-
RCUG-8YSU-QPBI-GOSU-YPTU-GWSU-1PJT-CO5D-1AJ3-E7JI-YT4D-JFNN-4OTI-GO4W-

NQNBEE

136. If an adopted child is more similar on a particular characteristic to their biological parents than to the adoptive parents, we can conclude that

- a. the adoptive parents have tried quite hard to raise the child as their own.
- b. heredity is solely responsible for who we become.
- c. environment is solely responsible for who we become.
- d. genetics play a role in the development of that particular characteristic.

ANSWER: d

POINTS: 1

REFERENCES: 2.3 Heredity and the Environment: The Nature of Nurture

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Understand

DATE CREATED: 3/23/2021 10:56 PM

DATE MODIFIED: 3/23/2021 10:58 PM

QUESTION ID: JFND-GTTI-8R4W-ROJ3

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMN-CEHU-RPJT-CO4G-CPMN-CASU-ECMF-8YSS-RQJA-GOSS-GC33-GESU-1A3W-CO5S-G3MF-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

137. At birth, the typical human female will contain

- a. enough ova to be fertile for 10 years.
- b. no ova, they only develop during puberty.
- c. around 300,000 to 400,000 ova in each ovary.
- d. millions of ova.

ANSWER: c

POINTS: 1

REFERENCES: 2.4 Conception: Against All Odds

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.4 - Describe the process of conception, referring to the development of ova and sperm cells.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 10:58 PM

DATE MODIFIED: 3/23/2021 11:00 PM

QUESTION ID: JFND-GTTI-8R4W-ROKG

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJ3-GW3U-C3BZ-GT1D-RC3I-GYSU-KAJW-CESU-YP3O-GOSS-RC3U-GYSU-G3BA-GR4U-YCJS-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

138. During menstruation,

- a. a female is more likely to get pregnant than at any other time.

- b. the unfertilized egg is discharged in menstrual flow.
- c. the fertilized egg undergoes meiosis.
- d. the fertilized egg undergoes mitosis.

ANSWER: b

POINTS: 1

REFERENCES: 2.4 Conception: Against All Odds

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.4 - Describe the process of conception, referring to the development of ova and sperm cells.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:01 PM

DATE MODIFIED: 3/23/2021 11:02 PM

QUESTION ID: JFND-GTTI-8R4W-ROKF

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMF-GYHU-YA3S-CC4G-CAUB-CWSU-YPBS-8RSS-NCDG-GOSU-RPT1-CCSS-GQJA-8Y5D-EPUG-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

139. Before meiosis, the sperm cell

- a. contains 46 chromosomes.
- b. is significantly larger than the egg cell.
- c. contains two X chromosomes.
- d. is more likely to conceive a girl than a boy.

ANSWER: a

POINTS: 1

REFERENCES: 2.4 Conception: Against All Odds

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.4 - Describe the process of conception, referring to the development of ova and sperm cells.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:15 PM

DATE MODIFIED: 3/23/2021 11:17 PM

QUESTION ID: JFND-GTTI-8R4W-RO1G

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJI-CR4D-G3JO-CA5S-RP5B-CCSS-KP5D-CRSU-QP33-GOSS-RPMN-GYSU-EP3S-GY5S-R3JO-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

140. The sperm cell

- a. is significantly larger than the egg cell.
- b. contains two Y chromosomes.
- c. does not determine the sex of the developing child.
- d. is one of the smallest types of cells in the body.

ANSWER: d

POINTS: 1

REFERENCES: 2.4 Conception: Against All Odds
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.4 - Describe the process of conception, referring to the development of ova and sperm cells.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 11:17 PM
DATE MODIFIED: 3/23/2021 11:18 PM
QUESTION ID: JFND-GTTI-8R4W-ROTU
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJT-CC3S-KATI-GJTD-CPJZ-8YSS-EATI-8RSU-YCTT-GOSS-NPB3-COSU-NQJZ-CITG-RAMG-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

141. Which of the following can be said about male conception?
- a. Fewer males are conceived but more survive to birth.
 - b. More males are conceived, and more survive to birth.
 - c. More males are conceived, and more are spontaneously aborted.
 - d. About the same number of males and females are conceived.

ANSWER: c
POINTS: 1
REFERENCES: 2.4 Conception: Against All Odds
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.4 - Describe the process of conception, referring to the development of ova and sperm cells.
KEYWORDS: Bloom's: Apply
DATE CREATED: 3/23/2021 11:18 PM
DATE MODIFIED: 3/23/2021 11:20 PM
QUESTION ID: JFND-GTTI-8R4W-ROTO
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJT-8YAG-KCBW-GR3D-NQJ1-GWSU-KC3W-8RSU-QCDB-GOSS-RAUR-COSU-RAJO-CR5D-OAMG-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

142. About how many sperm cells are contained in a single ejaculate?
- a. Around 1,000
 - b. 200–400 million
 - c. 500,000–1 million
 - d. Depends upon the man's progesterone levels

ANSWER: b
POINTS: 1
REFERENCES: 2.4 Conception: Against All Odds
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.4 - Describe the process of conception, referring to the development of ova and sperm cells.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:20 PM

DATE MODIFIED: 3/23/2021 11:22 PM

QUESTION ID: JFND-GTTI-8R4W-ROTS

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJW-G7TS-RQDR-GITD-Y3MG-CASU-NC3W-8RSU-YPBT-GOSU-QPB3-GHSU-KPJI-CWHU-OA5R-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

143. Ova

- a. are surrounded by a gelatinous layer.
- b. do not have a gelatinous layer.
- c. are surrounded by a gelatinous layer but only after released from the ovarian follicle.
- d. develop a gelatinous layer after a sperm has penetrated the ovum.

ANSWER: a

POINTS: 1

REFERENCES: 2.4 Conception: Against All Odds

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.4 - Describe the process of conception, referring to the development of ova and sperm cells.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:22 PM

DATE MODIFIED: 3/23/2021 11:23 PM

QUESTION ID: JFND-GTTI-8R4W-RQNB

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMB-GHAD-CCTA-COHG-RCJI-GESS-CCJT-CESU-KPDB-GOSU-K3BA-GRSU-EAT3-CITD-EA5R-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

144. Which statement about sperm is false?

- a. Only one can penetrate an ovum.
- b. Many are killed by normal vaginal acidity.
- c. They sometimes swim up the wrong tube.
- d. They are attracted to ova by a sound wave ova emit.

ANSWER: d

POINTS: 1

REFERENCES: 2.4 Conception: Against All Odds

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.4 - Describe the process of conception, referring to the development of ova and sperm cells.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:23 PM

DATE MODIFIED: 3/23/2021 11:25 PM

QUESTION ID: JFND-GTTI-8R4W-RQNG

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-

GLOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJO-GEAU-RP3I-GI1D-KCUG-8YSU-OC3W-8RSS-RC5R-GOSU-RPT3-CESS-EPJU-GE3D-YCBT-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

145. Conception has occurred when the

- a. egg cell is released from the ovary.
- b. sperm cell is released from the testis.
- c. chromosomes from the egg cell align with those from the sperm cell.
- d. chromosomes combine to form 23 new pairs with a unique set of genetic instructions.

ANSWER: d

POINTS: 1

REFERENCES: 2.4 Conception: Against All Odds

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.4 - Describe the process of conception, referring to the development of ova and sperm cells.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:25 PM

DATE MODIFIED: 3/23/2021 11:26 PM

QUESTION ID: JFND-GTTI-8R4W-RQND

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMG-CAHU-GCDR-CC5G-ECDG-GASS-RPDF-CESU-CPTA-GOSS-GCJ3-GRSU-NAT3-GJ1G-CQBS-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

146. In American couples, infertility occurs in approximately

- a. one in 6 or 7 couples.
- b. one in 15 couples.
- c. It depends upon ethnicity.
- d. It depends upon socioeconomic status.

ANSWER: a

POINTS: 1

REFERENCES: 2.5 Infertility and Assisted Reproductive Technology

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:27 PM

DATE MODIFIED: 3/23/2021 11:28 PM

QUESTION ID: JFND-GTTI-8R4W-RQBT

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJW-GJTU-Y3JI-8RAU-NATT-GCSU-G3J1-8RSU-ECMD-GOSU-ECMD-GYSU-Q3UB-GB1U-CPDF-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

147. What can cause infertility problems in men?

- a. Excess protein in the diet

- b. Lack of exercise
- c. Sexually transmitted infections (STIs)
- d. Excessive masturbation

ANSWER: c

POINTS: 1

REFERENCES: 2.5 Infertility and Assisted Reproductive Technology

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:28 PM

DATE MODIFIED: 3/23/2021 11:29 PM

QUESTION ID: JFND-GTTI-8R4W-RQBZ

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMB-GHAD-N3DD-CRAU-EA3W-GHSU-1ATU-CESS-RCUD-GOSS-R3BA-CRSS-EPBZ-C31U-EPDR-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

148. The sperm's ability to move is called

- a. involution.
- b. propulsion.
- c. evolution.
- d. motility.

ANSWER: d

POINTS: 1

REFERENCES: 2.5 Infertility and Assisted Reproductive Technology

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:30 PM

DATE MODIFIED: 3/23/2021 11:31 PM

QUESTION ID: JFND-GTTI-8R4W-RQBW

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJT-GBTD-GC5R-GY5D-KCBS-GRSU-CPTA-CRSU-EA5N-GOSU-YP3I-GWSU-K3MD-CCHS-EPB3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

149. What can cause infertility in women?

- a. Obstruction of the reproductive tract
- b. Regular ovulation
- c. A urinary tract infection
- d. Precocious puberty

ANSWER: a

POINTS: 1
REFERENCES: 2.5 Infertility and Assisted Reproductive Technology
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 11:31 PM
DATE MODIFIED: 3/23/2021 11:33 PM
QUESTION ID: JFND-GTTI-8R4W-RQJA
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-CW5D-KPJI-CA4D-CQJA-CASU-NCDN-CRSS-R3TZ-GOSU-OCTO-GRSU-1A3O-8R5U-RCMG-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

150. The MOST common infertility problem in women is
- a. irregular ovulation or lack of ovulation.
 - b. endometriosis.
 - c. barriers to the passageways through which the ovum must pass.
 - d. pelvic inflammatory disease (PID).

ANSWER: a
POINTS: 1
REFERENCES: 2.5 Infertility and Assisted Reproductive Technology
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
LEARNING OBJECTIVES: VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.
KEYWORDS: Bloom's: Remember
DATE CREATED: 3/23/2021 11:33 PM
DATE MODIFIED: 3/23/2021 11:34 PM
QUESTION ID: JFND-GTTI-8R4W-RQKD
QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJI-G3TD-OAUR-GH4U-GCDG-GWSU-OQBO-8YSU-QQBT-GOSU-RCDG-CESS-N3TI-GA5G-RCTI-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

151. Lily visits her doctor to determine the cause/s of her infertility. The physician tells her that she has endometriosis and that this is caused by
- a. irregular ovulation or lack of ovulation.
 - b. chronic disease, such as diabetes.
 - c. endometrial tissue that has been sloughed off into the abdominal cavity during menstruation.
 - d. the use of fertility drugs, such as Clomiphene or Pergonal.

ANSWER: c
POINTS: 1
REFERENCES: 2.5 Infertility and Assisted Reproductive Technology
QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 11:35 PM

DATE MODIFIED: 3/23/2021 11:36 PM

QUESTION ID: JFND-GTTI-8R4W-RQJU

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJO-G71D-OC5G-GR4S-K3B3-CCSU-NP3S-8RSS-KCBS-GOSU-YCMF-GESS-CCJZ-GCAU-YPJT-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

152. Which of the following describes the process by which sperm is injected into the uterus at the time of ovulation?

- a. In vitro fertilization (IVF)
- b. Artificial insemination
- c. Donor in vitro fertilization (IVF)
- d. Surrogacy

ANSWER: b

POINTS: 1

REFERENCES: 2.5 Infertility and Assisted Reproductive Technology

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:36 PM

DATE MODIFIED: 3/23/2021 11:38 PM

QUESTION ID: JFND-GTTI-8R4W-RQJ1

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMB-GAHS-K3J3-CPTG-N3DN-GASS-KCUD-8RSU-GP31-GOSU-GQJW-GOSU-RCJZ-GI1S-NCTA-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

153. Jill does not produce ova of her own. An ovum is harvested from another woman, is fertilized in vitro, and placed into Jill's uterus where it becomes implanted and develops prenatally. Which fertility method does this best represent?

- a. Artificial insemination
- b. In vitro fertilization (IVF)
- c. Donor in vitro fertilization (IVF)
- d. Surrogate mother

ANSWER: c

POINTS: 1

REFERENCES: 2.5 Infertility and Assisted Reproductive Technology

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.

KEYWORDS: Bloom's: Apply

DATE CREATED: 3/23/2021 11:38 PM

DATE MODIFIED: 3/23/2021 11:39 PM

QUESTION ID: JFND-GTTI-8R4W-RQJS

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJO-G7TD-G3BS-C31D-RPBU-8RSU-CA3Z-CESS-
KAJS-GOSU-EQBW-GASS-KQJS-GFTD-1PT3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

154. Meghan is carrying a newly fertilized ova to term for another woman. Meghan is a(n)

- a. sperm donor.
- b. adoptive parent.
- c. surrogate.
- d. in vitro fertilization (IVF) donor.

ANSWER: c

POINTS: 1

REFERENCES: 2.5 Infertility and Assisted Reproductive Technology

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:40 PM

DATE MODIFIED: 3/23/2021 11:41 PM

QUESTION ID: JFND-GTTI-8R4W-RTJ3

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJU-CIUG-CQB1-CWHD-OATA-GYSU-
YQJO-8RSS-NA3Z-GOSS-CAJT-CESS-EATW-CJ1S-NCTU-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBEE

155. Adopted children are most likely to become insecure when they are in

- a. preschool.
- b. elementary school.
- c. middle school.
- d. high school.

ANSWER: c

POINTS: 1

REFERENCES: 2.5 Infertility and Assisted Reproductive Technology

QUESTION TYPE: Multiple Choice

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:41 PM

DATE MODIFIED: 3/23/2021 11:43 PM

QUESTION ID: JFND-GTTI-8R4W-RTKF

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-8Y5S-NP5F-GY3S-CPBZ-GCSU-C3BT-CESU-

- a. takes the form of a double helix
- b. person who carries and transmits characteristics but does not express them
- c. correlation between child's genetic endowment and responses elicited from others
- d. the genetic material received from parents
- e. caused by a recessive gene
- f. Polygenically determined
- g. female sex hormone
- h. neural tube defect
- i. twins produced from a single egg
- j. cell division that results in non identical cells
- k. union of an ovum and a sperm cell
- l. involves the membrane that envelops the amniotic sac and fetus
- m. associated with the 21st pair of chromosomes
- n. how genetic material manifests itself in characteristics
- o. twins produced from two eggs
- p. XXY sex chromosomal pattern
- q. determined by the father
- r. differing alleles for a trait
- s. caused by a dominant gene
- t. self-propulsion

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature
 2.2 Chromosomal and Genetic Abnormalities
 2.3 Heredity and the Environment: The Nature of Nurture
 2.4 Conception: Against All Odds

QUESTION TYPE: Matching

HAS VARIABLES: False

LEARNING OBJECTIVES: VOYG.RATH.7.2.1 - Explain the influence of heredity on biological, psychological, and social development.
 VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.
 VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.
 VOYG.RATH.7.2.4 - Describe the process of conception, referring to the development of ova and sperm cells.
 VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.

KEYWORDS: Bloom's: Remember

DATE CREATED: 3/23/2021 11:43 PM

DATE MODIFIED: 3/24/2021 12:11 AM

QUESTION ID: JFND-GTTI-8R4W-RTJU

156. Spin a bifida

ANSWER: h

POINTS: 1

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

157. Monozygotic

ANSWER: i

POINTS: 1

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-

LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNB8R

158. Deoxyribonucleic acid (DNA)

ANSWER: a

POINTS: 1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-

LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNB8R

159. Meiosis

ANSWER: j

POINTS: 1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-

LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNB8Y

160. Phenotype

ANSWER: n

POINTS: 1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-

LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNB8A

161. Carrier

ANSWER: b

POINTS: 1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-

LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNB8E

162. Phenylketonuria (PKU)

ANSWER: e

POINTS: 1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-

LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNB8O

163. Down syndrome

ANSWER: m

POINTS: 1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-

LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-

NQNBEC

164. Huntington disease

ANSWER: s

POINTS: 1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-
CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBGC

165. Intelligence

ANSWER: f

POINTS: 1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-
CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBGE

166. Dizygotic

ANSWER: o

POINTS: 1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-
CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBGR

167. Evocative genotype–environmental correlation

ANSWER: c

POINTS: 1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-
CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBGY

168. Genotype

ANSWER: d

POINTS: 1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-
CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBGH

169. Heterozygous

ANSWER: r

POINTS: 1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-
CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBGA

170. Estrogen

ANSWER:

g

POINTS:

1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-
CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBGW

171. Gender of child

ANSWER:

q

POINTS:

1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-
CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNBGO

172. Motility

ANSWER:

t

POINTS:

1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-
CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNNEE

173. Chorionic villus sampling

ANSWER:

l

POINTS:

1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-
CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNNER

174. Conception

ANSWER:

k

POINTS:

1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-
CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNN8R

175. Klinefelter syndrome

ANSWER:

p

POINTS:

1

QUESTION G GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-
LOBAL ID: 43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMD-GTOU-Q3TI-CC3G-RPDG-GYSU-N3BT-
CRSU-OQBO-GOSU-R3MF-GESS-G3MN-GBOU-R3B3-E7JI-YT4D-JFNN-4OTI-GO4W-
NQNN8Y

176. Briefly describe the difference(s) between cell division as the result of “meiosis” and cell division as the result of “mitosis.”

ANSWER: Meiosis is also referred to as *reduction division*. This means that the 46 chromosomes within the cell nucleus line up into 23 pairs. These 23 pairs then split, and one member from each pair goes to each newly formed cell. Because of this, the newly formed cells have half the genetic material contained in the original cell. In this sense, the cells are not identical but share 50% genetic similarity. With mitosis, the identical genetic code is carried into each newly formed cell in the body. In other words, these cells, when they divide, are identical to the cells that divided to form them. Cloning results from mitosis. Because the newly formed cells are “replications” of the preceding cell, there is no genetic variability.

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

KEYWORDS: Bloom's: Analyze

DATE CREATED: 3/24/2021 12:11 AM

DATE MODIFIED: 3/24/2021 12:12 AM

QUESTION ID: JFND-GTTI-8R4W-GC4F

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJO-GBTU-1CTW-CT1G-CPT1-GHSS-NQMN-8YSS-NPJW-GOSU-KCMB-CRSU-YC5R-GO4S-EA5N-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBE

177. Briefly describe the difference(s) between “recessive” and “dominant” genes.

ANSWER: Some genes are “dominant,” and others are “recessive.” Dominant genes are more likely to be expressed than recessive genes. Eye color is a good example. With eye color, brown eyes are dominant and blue eyes are recessive. If one parent carries the gene for brown eyes only and the other for blue eyes only, the offspring would have brown eyes (that color would dominate). If, however, both parents carry recessive genes for blue eyes, those can combine and blue eyes will be expressed. In a sense, two recessive genes can overcome the dominance of a single gene.

POINTS: 1

REFERENCES: 2.1 The Influence of Heredity on Development: The Nature of Nature

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

LEARNING OBJECTIVES: VOYG.RATH.7.2.3 - Explain the ways in which heredity (nature) and the environment (nurture) interact to influence development.

KEYWORDS: Bloom's: Analyze

DATE CREATED: 3/24/2021 12:15 AM

DATE MODIFIED: 3/24/2021 12:16 AM

QUESTION ID: JFND-GTTI-8R4W-GC3O

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMB-CWAG-RQBA-CCAG-EAJW-GASS-GQBW-8YSU-NCTO-GOSU-EA3S-GOSS-RAJU-8YHG-RPJW-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBE

178. What are chromosomal disorders?

ANSWER: Chromosomal disorders occur when children do not have the correct pairings or complement of 46 chromosomes. Chromosomal abnormalities are more common in children of older mothers and fathers. Down syndrome, for example, is caused by having an extra chromosome on the 21st pair, resulting in 47 chromosomes. There are also disorders linked to the sex chromosomes. For example, “super males” have an extra Y chromosome on the 23rd pair. Males with an extra X chromosome are said to have Klinefelter syndrome, characterized by underdeveloped male secondary sex characteristics and mild mental retardation. A female with a single X chromosome is said to have Turner syndrome, characterized by underdevelopment of female secondary sex characteristics and problems in mathematics and visual-spatial skills.

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

STUDENT ENTRY: Basic

MODE:

LEARNING OBJECTIVES: VOYG.RATH.7.2.4 - Describe the process of conception, referring to the development of ova and sperm cells.

KEYWORDS: Bloom's: Analyze

DATE CREATED: 3/24/2021 12:16 AM

DATE MODIFIED: 3/24/2021 12:17 AM

QUESTION ID: JFND-GTTI-8R4W-GC3I

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJS-GE3S-NCMD-G7UD-OAJS-GOSU-E3MF-CESS-CATT-GOSS-CP5F-CCSS-KQBW-G7OU-CQBU-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBE

179. A friend of yours is pregnant. She has read about the potential problems that could occur with a pregnancy. Based on this chapter, what three pieces of advice would you offer to ease this person's concerns for her unborn child?

ANSWER: The chances of problems during pregnancy are enhanced by external factors such as toxins (alcohol and smoking) and maternal characteristics (such as genetics and age at conception). Some of these things can be minimized and/or avoided. If the person is really worried, she may want to consider prenatal testing to see if there are serious disorders she might want to be aware of. Additionally, however, it should be acknowledged that genetic screening procedures do bring some element of risk to the pregnancy. The best thing the mother can do is to make the fetal environment as healthy as possible. She can exercise, take prenatal vitamins, eat a balanced diet, and refrain from smoking or ingesting alcohol and other drugs. Lastly, her overall chances of delivering a healthy child are significantly higher than of having a child with a disease or a disorder.

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

STUDENT ENTRY: Basic

MODE:

LEARNING OBJECTIVES: VOYG.RATH.7.2.5 - Discuss the problem of infertility and ways in which health professionals assist women and couples who desire to have children.

KEYWORDS: Bloom's: Analyze

DATE CREATED: 3/24/2021 12:18 AM

DATE MODIFIED: 3/24/2021 12:19 AM

QUESTION ID: JFND-GTTI-8R4W-GCB3

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMJZ-8YHD-KCMG-GYAU-YCDD-CCSS-EQJ1-CESS-EAJS-GOSU-ECJZ-GYSS-C3TT-GFTU-O3TZ-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE

180. A friend has asked you to describe the difference between “genotype” and “phenotype.” Based upon the material in Chapter Two of the textbook, how would you describe the difference?

ANSWER: Genotype refers to the genetic material that is received from one’s parents. Characteristics such as blood type and eye color, for example, are determined by our genotype. Genotype determines a range in which we might develop. It might, for example, determine how intelligent we could become. But genotype alone does not determine who or what we become. Our phenotype refers to how our characteristics are expressed. Someone might, for example, have the potential to grow quite tall. But the environment and other forces, such as nutrition, may influence how much of that genotype potential for height is realized. Phenotypes, then, are the product of both genetic and environmental influences.

POINTS: 1

REFERENCES: 2.2 Chromosomal and Genetic Abnormalities

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

MODE:

LEARNING OBJECTIVES: VOYG.RATH.7.2.2 - Describe the effects of chromosomal and genetic abnormalities.

TIVES:

KEYWORDS: Bloom’s: Analyze

DATE CREATED: 3/24/2021 12:19 AM

DATE MODIFIED: 3/24/2021 12:20 AM

QUESTION ID: JFND-GTTI-8R4W-GCNR

QUESTION GLOBAL ID: GCID-E7BW-1TBP-GBTD-RAUD-G3OU-C3DG-CWHN-4P3Z-CPTN-4AJS-CR4N-43TA-GBT1-43MN-GJ1D-RCJU-GJDI-GWN8-EPRW-EMMB-GO4D-GAMN-GAHD-GATI-CWSU-GC3U-8YSS-C3TT-GOSU-OQJI-CESS-N3TA-CJ1D-Y3J3-E7JI-YT4D-JFNN-4OTI-GO4W-NQNBEE