## https://selldocx.com/products/test-bank-developing-person-through-childhood-and-adolescence-11e-berger

Name:	Date:
1.	List in order and explain each of the five basic steps of the scientific method.
2.	Define <i>nature</i> and <i>nurture</i> and give an example of each. Also, describe the nature–nurture debate.
3.	Describe the perspective that most modern developmentalists take on the nature–nurture debate. Provide an example of a research topic that illustrates this perspective.
4.	Define a critical period and a sensitive period. Explain the difference between the two periods, and give an example of each.
5.	Explain Urie Bronfenbrenner's ecological-systems theory and describe his five systems.
6.	Define <i>cohort</i> , explain its effects, and give an example of one.
7.	Describe culture and explain why researchers who are interested in human development study different cultures.
8.	Define and discuss the term <i>plasticity</i> as it relates to human development. What factors influence plasticity in development? Offer at least one example of plasticity that has operated or is operating in your own life.
9.	Name and define the three main research designs for studying age-related changes. Explain the problems associated with each.
10.	Imagine that you are interested in the relationship between age and reading ability for children at 8 and 12 years old. Briefly define a cross-sectional research design and summarize how you could test this relationship using that design.
11.	Define <i>correlation</i> and give an example. Can one determine cause and effect from correlations? Explain why or why not.

12.	What practices must be built into a research study to protect participants?
13.	What are ethics and why are ethical standards so important to scientific research?
14.	The science of human development seeks to understand people—all kinds of people, everywhere, of every age—change over time.
15.	In order to minimize subjective opinions and personal biases when conducting research, it is important to employ the method.
16.	A hypothesis is a specific prediction that can be with empirical evidence.
17.	Empirical evidence refers to
18.	In scientific research, repeating a study with different participants is known as
19.	The term that refers to the traits inherited at conception is
20.	Tim told his friend that he is tall because he inherited "tall" genes from his dad. Tim was claiming that was responsible for his height.
21.	refers to environmental influences on traits.
22.	The combination of all environmental influences that affect a developing person is called
23.	The science of the interaction between nature and nurture is known as
24.	A period of development is a time in which something <i>must</i> or <i>must not</i> occur to ensure normal development.

25.	A period of development is a time in which a particular development occurs easily.
26.	Thalidomide only caused birth defects if a pregnant woman ingested the drug during the period of prenatal development.
27.	Tanner's friends do well in school, but Tanner has never really done well in school. They decide to meet once a week to study, and soon Tanner is doing better in school. Within the ecological-systems perspective, the influence of Tanner's friends on Tanner's school performance comes from the
28.	A(n) is a group of people born at about the same time that experience the same historical events and cultural shifts.
29.	A person's income and level of education is part of his or her status.
30.	The system of shared ideas, beliefs, and patterns of behavior is known as
31.	Two people from different cultures may value the need for achievement or success differently because of the of each culture.
32.	The human tendency to assume that people unlike us are inferior is called the error.
33.	People of a specific group share certain attributes such as national origin, religion, and language.
34.	Our text suggests that the word is a social construction that should be eliminated from our scientific vocabulary.
35.	Development is divided into three domains: biosocial,, and psychosocial.
36.	Human traits can be molded, and yet people maintain a certain durability of identity.  This indicates that development is

37.	The approach called refers to the idea that human development is an ongoing and ever-changing interaction.
38.	observation requires researchers to record behaviors systematically and objectively.
39.	Dr. Clady counts how many times an infant kicks her legs when lying on her back in her crib. Dr. Clady is using the method of
40.	Researchers who want to establish that one variable causes another must use a research design called $a(n)$
41.	Differences between the experimental group and the group are examined in experiments.
42.	A(n) is a quick way to collect data from a large number of people.
43.	Dr. Paul is curious whether a tendency toward aggression changes with age. He gathers a group of 5-year-old children and administers a test to assess their aggressive tendencies. He then retests the children when they are 10 years old and again when they are 15 years old. This type of research is known as
44.	Cross-sequential research can be thought of as a mix between a cross-sectional design and a(n) design.
45.	As children get older, they tend to sleep fewer hours. This relationship is an example of $a(n)$ correlation.
46.	research data can be categorized, ranked, or numbered.
47.	Research that asks open-ended questions is known as

48.	The Institutional Review Board (IRB) determines whether a research project follows certain guidelines.		
		9. What does the science of human development seek to understand?	
		the meaning of life	
	B)	theories that have not been subjected to scientific testing	
	C)	the works of Freud, Piaget, and Erikson	
	D)	how and why people change over time	
		0. Dr. Furth is curious about whether a specific brain chemical can be suppressed if a patient is given a large dose of vitamin E. Dr. Furth's question demonstrates the step in the scientific method.	
	A)	first	
	B)	second	
	C)	third	
	D)	fourth	
	5 A) B) C) D)	<ol> <li>Dr. Hernandez predicts that a certain drug will help patients with schizophrenia.         Her prediction is called         a conclusion         empirical evidence         a hypothesis         a result</li> </ol>	
	5.	2. A researcher designed and conducted an experiment to determine whether 350 mg of a certain drug would help patients with bipolar disorder. By designing and conducting this experiment, the researcher	
	A)	drew conclusions	
	B)	demonstrated proof	
	C)	tested the hypothesis	
	D)	confirmed the results	
	5	3. Dr. Henderson is curious to know more about how children develop over time. To avoid relying on opinion or personal bias, Dr. Henderson should	
	A)	use the scientific method to collect data and establish facts	
	B)	have the children undergo psychoanalysis	
	C)	talk with many children's parents	
	D)	read Dr. Spock's book, Baby and Child Care	

5	4. The first step in the scientific method involves
A)	posing a question
B)	conducting research
C)	supporting or refuting a hypothesis
-	developing a hypothesis
,	
5	5. The second step in the scientific method involves
	posing a question
	conducting research
	developing a hypothesis
-	sharing the results
D)	sharing the results
5	6. The third step in the scientific method involves .
	<u> </u>
-	posing a question
-	conducting research
_	sharing the results
D)	developing a hypothesis
_	
	7. The fourth step in the scientific method involves
-	posing a question
-	conducting research
	developing a hypothesis
D)	supporting or refuting a hypothesis
	8. Empirical evidence is based on
A)	*
B)	observation, experience, or experiment
C)	inferences rooted in personal biases
D)	opinions generated by several groups of people
5	9. After posing a question, a researcher using the scientific method
A)	draws conclusions
B)	runs an experiment
C	selects a group of participants
C)	scients a group of participants

<ul> <li>60. The final step in the five steps of the scientific method is to</li> <li>A) test a hypothesis</li> <li>B) pose a question</li> <li>C) conduct research</li> <li>D) report the results</li> </ul>
<ul> <li>61. What is a researcher's first step when designing a research study on children's language acquisition?</li> <li>A) recruit children and their parents as participants in the study</li> <li>B) develop a hypothesis on the way language is acquired in children</li> <li>C) pose a research question about language acquisition</li> <li>D) draw conclusions on the way children acquire language</li> </ul>
62. A hypothesis is a(n)  A) experiment B) prediction that can be tested C) conclusion drawn from research D) replication of a scientific study
<ul> <li>63. What is replication of a study?</li> <li>A) the repetition of a study using different participants</li> <li>B) the repetition of a study using the same participants</li> <li>C) designing a new study based on information from a previous study</li> <li>D) designing a new study using new ideas and information</li> </ul>
<ul> <li>64. Dr. Kong conducts a study in which he finds that smoking is correlated with ar increased risk of high blood pressure. He publishes his results, and Dr. Meco reads the report about the study. Then Dr. Meco does the same study using different participants in another city. Dr. Meco's work is an example of</li> <li>A) scientific controversy</li> <li>B) replication</li> <li>C) ethics</li> <li>D) observation</li> </ul>

6.	with an increased risk of diabetes. She publishes her results, and Dr. Al-Jaher reads the report about the study. Then Dr. Al-Jaher does the same study using different participants in another nation. Dr. Al-Jaher's work is an example of
A) B) C) D)	scientific controversy replication empirical evidence a hypothesis
A) B)	6. Parents who spend a great deal of time and money trying to find the best school for their children believe in the importance of as it relates to development nurture replication nature classical conditioning
A) B) C) D)	7. The term for all of the environmental influences that affect development after conception is  proteins nurture nature amino acids
6A) B) C) D)	8. In the science of human development, "nature" refers to the genes that people inherit environmental influences patterns of development developmental differences
A) B) C) D)	9. In the science of human development, "nurture" refers to universal traits biological traits environmental influences unique traits

70	0. Most developmental psychologists believe that development is the result of
A) B) C) D)	nature and nurture acting separately primarily nature and nurture acting together primarily nurture
A) B) C) D)	1. Dr. Towne believes that heredity is primarily responsible for personality traits. Dr. West believes that environmental influences are primarily responsible for personality traits. They are on different sides of the debate. nature versus nurture intelligent design versus evolution genes versus development traits versus conditioning
A) B) C) D)	2. Susie, who is 5 years old, is the tallest person in her kindergarten class. When her teacher asked her how she got so tall, Susie said proudly, "My mom and dad are tall, and I eat good food!" Susie's statement reflects that she understands that human development comes from heredity the environment learning environment and heredity combined
73 A) B) C) D)	3. Which is an example of the influence of nature? having a mother who smoked during pregnancy having the gene for epilepsy eating a healthy diet living in a loud neighborhood
A) B)	4. The impact of any good or bad experience depends on  nature nurture nature and nurture neither nature nor nurture

	disease, he never shows any signs of the disorder. What factor explains this?
A) ge	enes
B) er	nvironment
C) ep	pigenetics
D) re	aring
A) ep B) di C) di	Brooke and her half-brother Colton were raised in an impoverished home, where they were often left home alone while both parents worked more than one minimum-wage job to support the family. Despite this upbringing, Brooke has developed into a happy, healthy adult, while Colton has developed into a depressed alcoholic. Even though they shared an upbringing, their different outcomes indicate that they had  Digenetics fferential susceptibility fferent nurture fferent environments
<i>D)</i> (1)	Herein environments
A) di B) cu C) se	Even though Aaron eats well and exercises regularly, by age 70 he developed type 2 diabetes. Clement, on the other hand, eats fast food regularly and rarely exercises. At 70 years of age, his blood sugar levels remain in the normal range. What might account for the differences in their outcomes? fferential susceptibility altural differences ex differences bhort differences
A) m B) cc C) dc	Differential susceptibility means that certain people have genes that ake them more vulnerable to particular experiences ontribute similarly to a specific developmental outcome o not impact development within the context of particular experiences are an unknown impact on individuals
A) up B) cu C) nu	The tragic case of Brenda/David revealed that some sex differences are mainly a result of  bbringing alture arture originations of the properties of

75. Even though Chris has genetic markers that put him at higher risk for a particular

<ul> <li>80. By the age of 1, most babies raised in English-speaking households have lost the ability to distinguish the sounds of the two Ts in the Hindi language. This loss of ability that accompanies increasing ability illustrates the concept that development is</li> <li>A) multidirectional</li> <li>B) multicontextual</li> <li>C) multicultural</li> <li>D) multidisciplinary</li> </ul>	
<ul> <li>81. The human fetus develops fingers and toes between 28 and 54 days after conception but cannot develop fingers and toes before or after that time. This is an example of</li> <li>A) a sensitive period</li> <li>B) a critical period</li> <li>C) discontinuity</li> <li>D) continuity</li> </ul>	
<ul> <li>82. Which example clearly illustrates a critical period?</li> <li>A) a child learning to walk</li> <li>B) a child learning a second language before age 4</li> <li>C) a fetus developing fingers and toes between 28 and 54 days in utero</li> <li>D) a child learning to ride a bike between 5 and 6 years of age</li> </ul>	
<ul> <li>83. Which example clearly illustrates a sensitive period?</li> <li>A) a child being born blind</li> <li>B) an egg being fertilized</li> <li>C) a fetus developing fingers and toes</li> <li>D) a child learning to speak a second language</li> </ul>	
<ul> <li>84. Between 1957 and 1961, many pregnant women took thalidomide to alleviate morning sickness; this drug disrupted a(n) period of prenatal development</li> <li>A) sensitive</li> <li>B) critical</li> <li>C) early</li> <li>D) late</li> </ul>	t.

A) B) C) D)	5. During her pregnancy, a woman in Honduras worked in a field that had been treated with pesticides. When her son was born, she was horrified to find that he had no limbs. Her pesticide exposure must have occurred during a(n) period of prenatal development. critical early late sensitive
A) B) C) D)	6. Bobby was not taught to read until he was an adolescent. When he did learn to read, it was much harder for him to learn, and it took him longer to learn to read than it would have during his early- to middle-childhood years. Bobby had a hard time learning to read because he did not learn to do so during the period. critical early late sensitive
8 A) B) C) D)	<ul> <li>7. Which developmentalist was the first to emphasize the role of context on development?</li> <li>Vygotsky</li> <li>Piaget</li> <li>Bronfenbrenner</li> <li>Skinner</li> </ul>
8 A) B) C) D)	8. Which term is associated with Urie Bronfenbrenner's ecological-systems approach? mastosystems microsystems extrasystems intrasystems
8 A) B) C) D)	9. In Bronfenbrenner's ecological-systems approach, the refers to the interactions among systems.  macrosystem exosystem microsystem mesosystem

<ul> <li>90. What term did Bronfenbrenner use to describe the impact of the specific ti history on a person's development?</li> <li>A) macrosystem</li> <li>B) exosystem</li> <li>C) microsystem</li> <li>D) chronosystem</li> </ul>	me in
91. Dorothy was born during the Great Depression. Within the context of the ecological-systems approach, knowing this fact allows one to know about	her
A) chronosystem B) exosystem C) microsystem D) macrosystem	
<ul> <li>92. Dwayne was born to a single mother living in Chicago. Within the context ecological-systems approach, knowing this fact allows one to know somet about his</li> <li>A) chronosystem</li> <li>B) exosystem</li> <li>C) microsystem</li> <li>D) macrosystem</li> </ul>	
<ul> <li>93. Dr. Kilbey is studying the impact of exosystems on human development. V of these would she be most interested in examining?</li> <li>A) cultural values and economic processes</li> <li>B) family and peer groups</li> <li>C) medical centers and religious institutions</li> <li>D) the development of the skeletal structure in children</li> </ul>	Vhich
94. The ecological-systems approach was proposed by  A) Maslow B) Baltes and Baltes C) Bronfenbrenner D) Skinner	

A) th B) th C) th	In Bronfenbrenner's ecological-systems model, a hospital in the community is an example of which system? he ecosystem he microsystem he health-care system he exosystem
A) m B) ea C) m	In Bronfenbrenner's ecological-systems model, family and peers are part of a person's  nicrosystem  xosystem  nacrosystem  ocial system
<ul><li>A) p</li><li>B) th</li><li>C) so</li></ul>	A person's macrosystem includes  solitical processes the peer group chool and church distorical setting
A) e d B) c d C) m	Within Bronfenbrenner's ecological-systems approach, he called the historical context that affects other systems the cosystem hronosystem nesosystem nacrosystem
A) m B) so C) a	Bettie belongs to one cohort; Zahara belongs to another. The only required difference between these two women is  nembership in community groups ocioeconomic status ge thnic or racial group
A) so B) n C) so	High school classmates are part of the same  ocial construction  tetwork ocioeconomic status ohort

10	1. The people in which of the following groups can be defined as members of the same cohort?
A)	women who are pilots
B)	men with learning disabilities
	citizens of the United States
,	current middle school students
D)	current initiatic school students
102	2. Jamal, Wei, Liam, and Vladimir were all born and raised in England. Which statement is true?
<b>A</b> )	
A)	They could share the same ethnicity.
B)	They come from different ethnic groups.
- 1	They could share the same culture.
D)	They come from different cultures.
103	3. Jack observed his coworker Jane crying when she was called into the boss's office. Jack thinks that crying at work is a sign of weakness that makes women unfit for employment in his industry. Jack is displaying .
A)	critical thinking
B)	a social construction
	work culture orientation
D)	the difference-equals-deficit error
104	4. People whose ancestors were born in the same region and who usually share the
<b>A</b> )	same language and religion are called a(n)
A)	race
B)	ethnic group
C)	socioeconomic group
D)	exosystem
10:	5. According to the text, race is
A)	part of the microsystem
B)	a social construction
C)	defined by heritage
D)	multidirectional
,	

differences between people.  A) skin color  B) diversity  C) genetic analysis  D) culture
B) diversity C) genetic analysis
C) genetic analysis
D) Culture
107 0 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
107. Social scientists are convinced, based on genetic analysis, that race is a(n)
A) biological difference
B) culture
C) social construction
D) ethnicity
108. The domain includes development of emotions, temperament, and social
skills.
A) biosocial
B) cognitive
C) psychosocial
D) biopsychosocial
109. The domain includes all of the mental processes that a person uses to
obtain knowledge or to think about the environment.
A) biosocial
B) cognitive
C) psychosocial
D) biopsychosocial
110. The domain includes all of the growth and change that occur in a person'
body and the genetic, nutritional, and health factors that affect that growth and change.
A) biosocial
B) cognitive
C) psychosocial
D) biopsychosocial

A) B) C) D)	<ol> <li>Genes alone do not determine development. Human traits can be molded, which has led to the understanding that many human characteristics are plastic epigenetic static diverse</li> </ol>
11 A) B) C) D)	2. Plasticity refers to the  fact that many academic fields contribute data to the science of development universals and specifics of human development in many cultural settings vast array of contexts in which development occurs potential for human traits to be molded during development but also to remain durable
11 A) B) C) D)	3. What is plasticity?  a time in development when it is optimum to develop certain traits or abilities the amount of flexibility a human possesses at birth the idea that human traits may change or stay the same over time the idea that human traits are mostly inborn
11 A) B) C) D)	4. Which of these is an example of plasticity?  a man who consistently drives his car too fast a teenager who spends a summer in Chile and learns to speak Spanish a woman who leaves her job to stay home with her newborn a person who is in a coma
11 A) B) C) D)	5. The idea that human development is an ongoing, ever-changing interaction between the body, mind, and every aspect of the environment is known as the  dynamic-systems approach theory of evolution concept of universality domino effect
11 A) B) C) D)	6. If a researcher watches 1-week-old babies and records how many times they open and close their eyes while lying in their cribs, he is most likely using the case-study method a controlled experiment cross-sectional research scientific observation

117. Scientific observation allows for the
A) study of individuals' behaviors in a systematic and objective manner
B) determination of cause-and-effect relationships
C) precise control of the environment so that a cause-and-effect relationship can be
assessed D) systematic manipulation of variables
b) systematic manipulation of variables
118. Which statement about scientific observation is true?
A) It requires a large number of participants.
B) It requires specialized equipment such as video recorders.
C) It involves recording behavior systematically and objectively.
D) It must take place in a lab setting.
2) It must take place in a the seming.
119. Which of the following is an example of naturalistic observation?
A) A 1-year-old is brought to a laboratory and observed while playing.
B) A researcher goes to a 1-year-old's home and observes the baby at play.
C) A researcher divides a group of 1-year-olds into an experimental group and a
control group.  D) The parents of 1-year-olds are interviewed about their baby's play patterns.
120. Experiments allow researchers to
A) study the natural environment
B) study the complexity of an individual
C) use the scientific method in a cost-effective way
D) determine a cause-and-effect relationship
121. When a researcher wants to determine the cause of a particular behavior, the appropriate research method to use is a(n)
A) case study
B) scientific observation
C) experiment
D) survey

- 122. What is a dependent variable?
- A) It is the measured variable that may change depending on manipulation of an independent variable.
- B) It is any unmeasured variable that is uncontrolled within the context of the experiment.
- C) It is the variable that is intentionally manipulated by the researcher.
- D) It is an external variable that cannot be controlled by the researcher.
  - 123. What is an independent variable?
- A) It is the measured variable that may change depending on manipulation of an independent variable.
- B) It is any unmeasured variable that is uncontrolled within the context of the experiment.
- C) It is the variable that is intentionally manipulated by the researcher.
- D) It is an external variable that cannot be controlled by the researcher.
  - 124. What is the only research method that can establish a cause-and-effect relationship?
- A) a case study
- B) a survey
- C) an experiment
- D) scientific observation

125	6. An example	of a dependen	t variable in a	an experiment	might be	
۸)	gender					

- A) gender
- B) blood type
- C) eye color
- D) level of depression
  - 126. In an experiment, the group of participants who receive the imposed treatment or special condition is referred to as the group.
- A) independent
- B) dependent
- C) experimental
- D) comparison

A) B) C) D)	7. To determine whether vitamin D consumption slows the progress of multiple sclerosis, a researcher would most likely use an experiment a survey naturalistic observation the case-study method
	8 is a quick way to study the development of a large group of people.  A case study Survey research A cohort-sequential study Longitudinal research
12 A) B) C) D)	9. Which of the following is a benefit of using the survey method in research? It is the best way to gather completely accurate information. It is simple to verify the accuracy of the responses. The responses are very objective.  The results provide good information for understanding groups.
13 A) B) C) D)	<ol> <li>Because there is a boy who is a bully in Dr. Hirsh's 8-year-old son's class, he wonders whether boys might be more likely to be bullies than girls. The best way for Dr. Hirsh to answer this question would be to conduct</li> <li>a case study survey research a cohort-sequential study longitudinal research</li> </ol>
13 A) B) C) D)	<ol> <li>Which of the following is one of the problems associated with survey research?</li> <li>Data collection takes too long.</li> <li>It costs more than other research methods.</li> <li>Respondents may not tell the truth.</li> <li>It is difficult to recruit participants.</li> </ol>

2. Dr. Bloom wanted to learn whether ice cream preferences are different at different stages of development. For her study, she conducted a one-time assessment in which she asked a group of 5-year-olds, a group of 15-year-olds, and a group of 30-year-olds to identify their favorite ice cream. Dr. Bloom conducted a
case study
cross-sectional study
longitudinal study
cross-sequential study
3. Dr. Breslin would like to determine whether age affects reaction time, and he needs to find the answer quickly. Which research method would you recommend?
case study
cross-sectional study longitudinal study
cross-sequential study
4. Which factor is a problem with longitudinal research? the aging of the participants finding new participants for each time measurement changing historical context participants failing to change their behavior despite repeated tests
5. Which type of research design combines the cross-sectional design with the longitudinal research design? cross-sequential
cross-sectional
meta-sequential
cross-longitudinal
6. The Seattle Longitudinal Study began with several groups of people, ranging in age from 25 to 81. Then the researchers retested each group every seven years. This study is a good example of a design. cross-sequential cross-sectional meta-sequential cross-longitudinal

13	7. A correlation does not indicate that one variable causes the other to occur; rather,
	it indicates that there is a between the two variables.
A)	proof
B)	validity
C)	reliability
-	relationship
,	1
13	8. A negative correlation is when
A)	both variables decrease
	both variables increase
	one variable increases while the other variable decreases
	change in one variable is unrelated to change in the other variable
D)	change in one variable is unrelated to change in the other variable
13	9. A zero correlation is when .
	one variable increases while the other decreases
	both variables decrease
	both variables increase
	there is no connection between the variables
(ט	there is no connection between the variables
1.4	O The more Hank cate the loss hungary he feels. The completion between Hank's
14	0. The more Hank eats, the less hungry he feels. The correlation between Hank's
	food intake and his hunger is
	positive
B)	negative
C)	zero
D)	causal
14	1. If a researcher finds a positive correlation between school grades and school
	attendance, one can conclude that
A)	high attendance and high grades occur together
	high attendance causes high grades
C)	high attendance rarely means high grades
D)	high grades cause high attendance
14	2. If a researcher finds that there is a correlation between secondhand smoke and
	children's asthma, he can be certain that
A)	secondhand smoke causes children's asthma
B)	secondhand smoke does not cause children's asthma
C)	children exposed to smoke in utero often get asthma
D)	asthma and secondhand smoke have some connection
וע	asunna and secondinand smoke have some connection

14	3. Quantitative research relies on data that can be
A)	collected exclusively with surveys
B)	categorized, ranked, or numbered
C)	reported in professional journals
D)	
-,	y =
14	4. Data that is reported in numbers is known as
A)	qualitative
B)	quantitative
C)	narrative
D)	categorical
1.4	5. Data that is reported in narrative form is known as
	qualitative
A)	•
	quantitative
	numerical
ע)	categorical
14	6. Dr. Carlson interviewed a group of respondents, who replied in narrative form
	Dr. Carlson is collecting data.
A)	±
B)	correlational
C)	cross-sequential
D)	qualitative
1.4	
	7. IRB stands for
A)	
B)	International Research Board
C)	Internal Review Board
D)	Intelligence Research Board
14	8. Participants in a research study must understand and agree to the research
	procedures and also be made aware of any potential risks associated with the
	research participation. This process is known as
A)	holding harmless
B)	informed consent
C)	release of liability
D)	rite of research
יו	The of research

149. The science of human development examines how, but not why, people change over time.	
A) True	
B) False	
150. The purpose of the scientific method is to conduct research that will only support researchers' hypotheses.	rt

- A) True
- B) False
- 151. A research question becomes a hypothesis when it is stated as a prediction that can be tested.
- A) True
- B) False
- 152. The conclusions of a scientific study are based on whether the evidence supports or refutes the hypothesis.
- A) True
- B) False
- 153. If Dr. Hall conducts a study in the exact same way that Dr. Jeeves did but uses different participants, Dr. Hall is demonstrating replication.
- A) True
- B) False
- 154. Nature is more important than nurture in how a trait or behavior is expressed.
- A) True
- B) False
- 155. The influence of nurture begins at conception.
- A) True
- B) False

- 156. Since starting school Sam had struggled with math. His teacher offered to help him with math after school. Now Sam does well on his math assignments. The example of Sam's teacher helping Sam with math to improve his math ability is an example of how nature can influence development.
- A) True
- B) False
- 157. Today, developmental science studies mostly young children and adolescents.
- A) True
- B) False
- 158. The term *plasticity* refers to how a person's development is completely determined by the environment.
- A) True
- B) False
- 159. Most periods of development are critical periods.
- A) True
- B) False
  - 160. Within the context of Bronfenbrenner's ecological-systems approach, a person's immediate surroundings, such as family or peer group, are part of the macrosystems level.
- A) True
- B) False
  - 161. Individuals in the same cohort are exposed to the same values, events, technologies, and culture of the era.
- A) True
- B) False
  - 162. The term *cohort* refers to individuals born in the same geographical region and within the same social class.
- A) True
- B) False

- 163. Socioeconomic status is also called social class.
  A) True
  B) False
  164. Culture refers to a system of shared beliefs, conventions, norms, behaviors, and expectations.
  A) True
  - 165. The difference-equals-deficit error may lead people to believe that their nation or culture is better than others.
- A) True

B) False

- B) False
- 166. Race and ethnicity are the same thing.
- A) True
- B) False
- 167. Scientists believe that race is genetic.
- A) True
- B) False
  - 168. Miguel worked in the fields and did not learn how to read or write until he entered school at age 13. It will take him longer to learn to read at age 13 than it would have when he was younger.
- A) True
- B) False
  - 169. A positive correlation between how long parents stay when dropping off their children at day care and how long it takes their children to become engaged in the toys and their friends means that longer parental lingering is associated with longer delay in engagement by the children.
- A) True
- B) False

- 170. Developmental researchers agree that nature is much more important than nurture in determining psychological outcomes such as intelligence and personality.
- A) True
- B) False
- 171. According to the dynamic-systems approach, human development is a static process.
- A) True
- B) False
  - 172. Friends Jill and Susan both experienced poverty as children. In addition, they were raised by single parents and went to a poor quality school. By the time they were in late adolescence, Jill had dropped out of school and had two children. Susan, in contrast, was academically ranked number one in her graduating class and had a full academic scholarship to Harvard. This example illustrates the concept of differential susceptibility.
- A) True
- B) False
  - 173. The main advantage of scientific observation as a research method is that it allows the scientist to determine cause and effect.
- A) True
- B) False
- 174. In an experiment, the group receiving the special treatment is referred to as the comparison group.
- A) True
- B) False
- 175. The purpose of a survey is to allow a researcher to collect data quickly from a large population.
- A) True
- B) False
- 176. One problem with the data from surveys is that participants may not tell the truth.
- A) True
- B) False

177 A) B)	7. Dr. Tucker wanted to learn how aggression changes across development. He designed a study in which he assessed aggression among 100 children who were 3 years old and then reassessed aggression among these individuals every three years until the participants were 21 years old. Dr. Tucker's research design was cross-sectional.  True False
	3. In longitudinal research, the same people are measured at multiple assessment points over a period of time.  True  False
179	9. Cross-sequential research is a combination of a cross-sectional approach and a longitudinal approach.
	True False
A)	). When two variables are not connected, the correlation between them is zero. True False
101	1. Most research conducted on humans cannot begin without the approval of the
	Institutional Review Board.
A) B)	True False
182	2. A volunteer showed up to participate in Dr. Allen's research study. Dr. Allen failed to inform the volunteer that her participation was voluntary. Dr. Allen was being ethical in conducting the study, as sharing with the volunteer that research participation is voluntary is not part of informed consent.
A) B)	True False
	3. Science is needed in the study of human development because
A) B)	nonempirically based opinions arise from research people usually agree on how children should be raised
C)	research provides data and facts that will enable people to fulfill their potential

D) the information we get from research is definitive

A)	I. Which step of the scientific method involves making a specific prediction? draw conclusions test the hypothesis
	pose a question
	develop a hypothesis
	5. Other names for the nature versus nurture debate include
	learning versus experience
	experience versus environment heredity versus genetics
	heredity versus environment
186	5. In the nature–nurture debate, most developmentalists believe that
A)	nature is more influential
,	nature and nurture combine to determine outcomes nurture is more influential
	nature and nurture are both unimportant when compared to genes and environment
187	7. People who came of age during the Great Depression all come from the same
A)	region
B)	socioeconomic class
C)	race cohort
D)	Conort
	3. The difference-equals-deficit error causes us to assume that
	genetics make us who we are people unlike us are inferior
	the environment makes us who we are
D)	what is considered normal is the same across cultures
189	O. According to social scientists, race is
A)	part of the microsystem
B)	a social construction
C) D)	defined by heritage multidirectional
<i>-</i>	1114141411 4441411111

190 A)	O. The multidisciplinary approach emphasizes the biological factors in development
B)	underestimates the role of cognition in development
C) D)	considers the biological, psychological, and social influences in development is unpopular in modern psychology
191	1. Human development is plastic, which means that traits
A) B)	are rigid and unchanging can be molded, yet are durable
	are flexible and never durable
D)	are entirely dependent on experience
	2. Which of the following is a characteristic of scientific observation?
A) B)	It requires a large number of participants.  It requires specialized equipment such as video recorders.
	It involves observing and recording behavior systematically.
D)	It must take place in a lab setting.
193	3. The only research method that establishes a possible cause-and-effect relationship is
A)	a case study
-	a survey an experiment
D)	scientific observation
194	4. For which research method is the primary data source information gained from interviews and questionnaires?
A)	
B)	survey
C) D)	correlational scientific observation
	5. Which of these research designs studies changes over time?
A) B)	survey cross-sequential
C)	cross-durational
D)	observational

- 196. What does it mean when a correlation exists between two variables?
- A) There is a relationship between two variables.
- B) Cause and effect have been established.
- C) One variable caused the other to change.
- D) A relationship between two variables was not established.
  - 197. Which is unethical research behavior?
- A) halting the study if potential harm is suspected
- B) offering a modest incentive to participate
- C) changing the data to support the hypothesis
- D) reporting results to participants

## **Answer Key**

1. Step 1: Begin with curiosity. Pose a question based on a theory, prior research, or personal observation. Step 2: Develop a hypothesis, which is a specific research question that can be tested through research. Step 3: Test the hypothesis. Design and conduct research to gather empirical evidence (data). Step 4: Draw conclusions. Using the evidence gathered in the research, conclude whether the hypothesis is supported or refuted. Step 5: Report the results by sharing the data, conclusions, and alternative explanations with other scientists.

	Good (5 pts)	Fair (3 pts)	Weak (0-1 pts)
List steps of	States the five steps in	States three of the	States fewer than three
scientific method in	order	steps in order	steps or does not state
order			the steps in order
Explain each step	Describes the five	Describes three steps	Describes fewer than
	steps		three steps or does not
			describe steps
			accurately

2. Nature refers to the influence of genes on a person, and nurture refers to environmental influences on a person. Environmental influences begin with the health and diet of the embryo's mother and continue lifelong, including family, school, community, and society. An example of nature would be having a gene that predisposes one to addiction. An example of nurture would be having that gene but avoiding addictions as a result of not being exposed to abuse or parental addictions. The debate concerns how much of any person's characteristics, behaviors, or emotions is the result of genes and how much is the result of the person's experiences.

	Good (5 pts)	Fair (3 pts)	Weak (0-1 pts)
Define <i>nature</i> and	Accurately defines	Accurately defines	Does not accurately
nurture	both terms and gives	one term and gives at	define both terms or
	an example of each	least one accurate	supply accurate
		example	examples
Describe the debate	Accurately describes	Accurately describes	Does not accurately
	both sides of the	one side of the debate	describe the debate
	debate		

3. Modern researchers have learned that neither nature alone nor nurture alone can provide a complete way to understand development. Both nature and nurture matter, as both genes and environment affect nearly every characteristic. The study of language acquisition illustrates the perspective that nature and nurture interact. Babies start speaking because of maturation of the brain, mouth, and vocal cords (nature). This allows them to express connections between objects and words (nurture), which could not occur unless people talked to them (nurture).

Good (5 pts)	Fair (3 pts)	Weak (0-1 pts)

State researchers'	States modern	Is vague about modern	Incorrectly states
viewpoint	researchers' stance that	researchers' stance	modern researchers'
	both matter		stance
Provide an example	Gives an example	Gives a vague	Gives an incorrect
		example	example <i>or</i> doesn't
			give an example

4. A critical period is a time when something must occur to ensure normal development, and a sensitive period is a time when a specific developmental task occurs most easily. An example of a critical period would be the fetus growing arms and legs and hands and feet—this can occur only at a specific time in utero. Language development is an example of a sensitive period. It occurs most easily at a young age but can occur at a later age as well.

	Good (5 pts)	Fair (3 pts)	Weak (0-1 pts)
Define and	Defines both periods;	Defines just one	Fails to define both
differentiate	differentiates between	period or is vague	periods or fails to
	them	about differentiation	differentiate
Give examples	Gives a correct example	Gives a correct	Does not give any
	for each period	example of either	examples
		period	

5. Bronfenbrenner believed that each person is affected by his or her social context. Over the course of his career, he identified five systems. The first is the microsystem (e.g., one's family and peer group), the second is the exosystem (school, clubs, and church), and the third is the macrosystem (larger social setting, such as cultural values and economic policies). The fourth system, called the chronosystem, is the role of historical context, and the fifth system, the mesosystem, is the interaction that occurs between all of the other systems.

	Good (5 pts)	Fair (3 pts)	Weak (0-1 pts)
Explain ecological-	Clearly states what the	Gives a vague	Is unable to describe
systems theory	theory is	explanation of the	the theory
		theory	
Identify the systems	Identifies the five	Identifies three of the	Identifies fewer than
	systems and gives an	systems or gives	three of the systems or
	example of	examples for three of	gives fewer than three
	microsystem,	the systems	examples
	exosystem, and		
	macrosystem		

6. A cohort is a group of people born within a few years of each other who move through time together. Cohorts travel through life affected by the interaction of their chronological age with the values, events, technologies, and culture of the era. Cohort examples will vary but should show an understanding of a cohort; common examples include the Greatest Generation (people who lived through the Great Depression and World War II), the baby-boom generation (born between 1946 and 1964), Generation X (born between 1965 and 1980), and the Millennials (Generation Y, born between 1980 and 2000).

	Good (5 pts)	Fair (3 pts)	Weak (0-1 pts)
Explain cohort	Correctly defines	Defines cohort	Does not define
	cohort and explains its	without explaining its	cohort correctly
	effects on members	effects on members	
Give an example	Gives an example of a	Gives a vague	Gives an incorrect
	cohort	example of a cohort	example <i>or</i> doesn't
			give an example

7. Culture is a strong social construction, a concept created by a society. Such social constructions affect how people think and act—what they value, praise, ignore, and punish. Different cultures may view the same behavior or phenomenon as either an asset or a deficit. Therefore, by studying different cultures, researchers can identify which patterns are universal among humans and which occur only in certain cultures. This provides insights into the effects of different environments.

	Good (5 pts)	Fair (3 pts)	Weak (0-1 pts)
Describe culture	Clearly describes	Gives a definition of	Does not define
	culture	<i>culture</i> without	culture
		describing it	
Explain why	Clearly explains why	Is vague about why	Does not explain why
researchers study	researchers study	researchers study	researchers study
different cultures	different cultures	different cultures	different cultures

8. *Plasticity* is the molding of human traits while simultaneously maintaining some durability of identity. The idea of plasticity is that human development is an ongoing, ever-changing interaction between the body and the mind and between the individual and every aspect of his or her environment. Influences that affect plasticity include culture, upbringing, and genes. The example should relate to some aspect of growth in one's life, such as how a high-functioning person on the autism spectrum can eventually earn a college degree. (The autism remains [durability], but with school and other societal interventions, the person can still achieve traditional milestones.)

	Good (5 pts)	Fair (3 pts)	Weak (0-1 pts)
Define and discuss	Defines and discusses	Defines or discusses	Cannot define or
plasticity	plasticity	plasticity	discuss plasticity
List factors that	Lists three factors that	Lists two factors that	Lists one or no factors
influence plasticity	influence plasticity	influence plasticity	that influence
			plasticity
Give plasticity	Gives an example of	Gives a vague	Does not give an
example	plasticity	example of plasticity	example of plasticity

9. The three main research designs are cross-sectional, longitudinal, and cross-sequential. In cross-sectional research, different groups of participants who are currently different ages are recruited. In longitudinal research, one group of participants is tested multiple times as they age. In cross-sequential research, the study begins as a cross-sectional design and then the groups are retested multiple times, as in a longitudinal design. Differences between groups in the cross-sectional method are attributed to age-related changes, but they could be due to cohort effects. Longitudinal research is subject to

error as the participants may withdraw from the study before completing it, or they might figure out what the study is about and change their behavior. The cross-sequential design is least prone to error, but it is expensive and time-consuming.

	Good (5 pts)	Fair (3 pts)	Weak (0-1 pts)
Name and define	Correctly names and	Names and defines	Names and defines
three research	defines the three main	two designs	one or no designs
designs	research designs		
Explain the problem	Explains the problems	Explains the problem	Explains the problem
with each	with each of the three	with two designs	with one or no designs
	research designs		

10. A cross-sectional design compares groups of people of one age with at least one other group of people of another age at a specific point in time. It is faster than a longitudinal study because all of the data is immediately available. Ideally, the participants should be matched at the same socioeconomic level.

To implement a cross-sectional design to test reading, first identify a group of children aged 8 and another group aged 12. Second, evaluate each individual child's reading ability. Finally, compare the children of different ages and look for differences in reading ability.

	Good (5 pts)	Fair (3 pts)	Weak (0-1 pts)
Define cross-	Describes cross-	Describes cross-	Gives a vague or
sectional design	sectional design and	sectional design but	incorrect description
	identifies that doesn't elaborate about of cro		of cross-sectional
	participants should be having similar		design
	of a similar socioeconomic status		
	socioeconomic status	for participants	
Summarize how to	Identifies the three	Identifies two parts of	Identifies one part or
do the research	parts of the research the research design		cannot identify the
	design	_	research design

11. A correlation exists between two variables when one variable changes (increases or decreases) as the other variable changes. Examples will vary but should illustrate this concept, such as the number of people who drown increases as the number of ice cream sales increases. It is impossible to determine cause and effect from correlations. Even though correlations indicate a connection between two variables, they cannot determine the reason for the connection since no other variables are controlled. In the example above, people drowning and ice cream sales both increase during hot weather, so the correlation is caused by neither variable.

	Good (5 pts)	Fair (3 pts)	Weak (0-1 pts)
Define correlation	Gives a strong	Gives an adequate	Gives inaccurate or no
	definition for	definition for	definition of
	correlation	correlation	correlation

Give an example of a	Offers a good example	Offers a vague or	Offers an incorrect or
correlation	of a correlation	weak example of a	no example of a
		correlation	correlation
Explain relationship	States that causation	Implies that causation	States that causation
between causation	cannot be determined	can be determined	can be determined
and correlation	from a correlation	from a correlation	from a correlation

12. Researchers must ensure that people's participation is 1) voluntary, 2) confidential, and 3) harmless. They must obtain the informed consent of all participants. Informed consent means that participants must understand and agree to the procedures after being told of any risks involved. If children are involved, consent must be obtained from the children as well as their parents. Participants must also be allowed to end their participation at any time.

	Good (5 pts)	Fair (3 pts)	Weak (0-1 pts)
Summarize	States all three conditions;	States two conditions;	States one condition;
practices to	describes informed	explains informed	fails to explain
protect	consent and that	consent or that	informed consent
participants	participants can end	participants can end	
	participation	participation	

13. Ethics are a set of moral principles and specific practices that protect both participants and the integrity of research. Ethical standards provide study participants with the assurance of informed consent and knowing that their participation is voluntary, confidential, and that they will not be harmed.

Ethics are also a vital part of the reporting process after the research has been conducted. Reports of findings should be accurate, and the study should be able to be replicated under the same conditions. Collaboration, replication, and transparency are essential ethical safeguards for all scientists.

	Good (5 pts)	Fair (3 pts)	Weak (0-1 pts)
Define ethics	Defines ethics	Defines <i>ethics</i> only as they	Does not define ethics
		apply to participants or the	
		reporting process	
Explain the	States several ways in	Identifies only how ethics	Does not explain why
importance of	which ethics protect	are important for	ethical standards are
ethics	participants and how	participants or their	important
	ethics protect findings	importance on the reporting	
	and replication	process and replication	

- 14. how and why
- 15. scientific
- 16. tested (evaluated) (examined)
- 17. data
- 18. replication
- 19. nature
- 20. nature
- 21. Nurture

- 22. nurture
- 23. epigenetics
- 24. critical
- 25. sensitive
- 26. critical
- 27. microsystem
- 28. cohort
- 29. socioeconomic
- 30. culture
- 31. norms (social constructions)
- 32. difference-equals-deficit
- 33. ethnic
- 34. race
- 35. cognitive
- 36. plastic
- 37. dynamic systems
- 38. Scientific
- 39. scientific observation
- 40. experiment
- 41. comparison (control)
- 42. survey
- 43. longitudinal
- 44. longitudinal
- 45. negative
- 46. Quantitative
- 47. qualitative
- 48. ethical (ethics)
- 49. D
- 50. A
- 51. C
- 52. C
- 53. A
- 54. A
- 55. C
- 56. B
- 57. D
- 58. B
- 59. D
- 60. D
- 61. C
- 62. B
- 63. A
- 64. B
- 65. B
- 66. A
- 67. B

- 68. A
- 69. C
- 70. C
- 71. A
- 72. D
- 73. B
- 74. D
- 75. C
- 76. B
- 77. A
- 78. A
- 79. D
- 80. A
- 81. B
- 82. C
- 83. D
- 84. B
- 85. A 86. D
- 87. C 88. B
- 89. D
- 90. D 91. A
- 92. C
- 93. C
- 94. C
- 95. D
- 96. A
- 97. A 98. B
- 99. C
- 100. D
- 101. D
- 102. C
- 103. D 104. B
- 105. B
- 106. A
- 107. C
- 108. C
- 109. B 110. A
- 111. A
- 112. D
- 113. C

- 114. B
- 115. A
- 116. D
- 117. A
- 118. C
- 119. B
- 120. D
- 121. C
- 122. A
- 123. C
- 124. C
- 125. D
- 126. C
- 127. A
- 128. B
- 129. D
- 130. B
- 131. C
- 132. B
- 133. B
- 134. C
- 135. A
- 136. A
- 137. D
- 138. C
- 139. D
- 140. B
- 141. A
- 142. D
- 143. B
- 144. B
- 145. A
- 146. D
- 147. A
- 148. B 149. B
- 150. B
- 151. A 152. A
- 153. A
- 154. B
- 155. A
- 156. B
- 157. B
- 158. B
- 159. B

- 160. B
- 161. A
- 162. B
- 163. A
- 164. A
- 165. A
- 166. B
- 167. B
- 168. A
- 169. A
- 170. B
- 171. B
- 172. A
- 173. B
- 174. B
- 175. A
- 176. A
- 177. B
- 178. A
- 179. A
- 180. A
- 181. A
- 182. B
- 183. C
- 184. D
- 185. D
- 186. B
- 187. D
- 188. B
- 189. B
- 190. C
- 191. B
- 192. C
- 193. C
- 194. B
- 195. B
- 196. A
- 197. C