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Chapter 02 - Mendel's Principles of Heredity

Chapter 02 Mendel's Principles of Heredity

Multiple Choice Questions
1.
What was the importance of Mendel performing reciprocal crosses?
A.
To be able to breed plants all year round
В.
To obtain enough plants to perform the experiments that Mendel wanted, which would not have been sufficient without performing reciprocal crosses
C.
To disprove a hypothesis at the time the experiments were performed that stated the ovum carried all the information for progeny
<u>D.</u>
To demonstrate that the inheritance of a trait was not dependent on which parent carried the trait
Bloom's: 2. Understand Learning Objective: 02.01.03 Explain the importance of Mendel's inclusion of reciprocal crosses within his controlled breeding program of pea plants.

Topic: Background - The Historical Puzzle of Inheritance

- 2. What is the difference between cross and self fertilization?
- $\underline{\mathbf{A}}$. In cross-fertilization the gametes from one plant are used to fertilize the gametes of another plant
- B. In cross-fertilization the gametes from one plant are used to fertilize the gametes from the same plant
- C. In self-fertilization the gametes from one plant are used to fertilize the gametes from another plant
- D. In cross-fertilization insects are used to pollinate the plants while in self-fertilization the investigator pollinates the plants

Bloom's: 2. Understand

Learning Objective: 02.01.02 Describe how Mendel cross-fertilized and self-fertilized pea plants.

Section: 2.01

Topic: Background - The Historical Puzzle of Inheritance

- 3. What is the outcome of breeding two plants each pure bred and each having an antagonistic trait?
- **A.** Only one of the traits will be seen in the progeny
- B. Both traits will be seen in the progeny
- C. Both traits will be seen in the progeny in a 3:1 ratio
- D. Only one trait will be seen and it will be the trait of the female

Bloom's: 2. Understand

Learning Objective: 02.01.04 Predict the type of progeny produced by Mendel's crosses between pure-breeding plants with discrete, antagonistic traits, such as purple versus white flowers.

Section: 2.01

Topic: Background - The Historical Puzzle of Inheritance

- 4. According to Mendel's Law of Independent Assortment
- A. Genes of different chromosomes randomly assort into different gametes
- B. Alleles for one gene randomly assort into different gametes
- C. Dominant alleles for one gene must assort into the same gamete as the dominant alleles for another gene
- D. Dominant alleles for one gene must assort into the same gamete as the recessive alleles for another gene

Bloom's: 2. Understand

Learning Objective: 02.02.03 Explain Mendel's law of independent assortment and how the 9:3:3:1 phenotypic ratio in a dihybrid cross provides evidence for this law.

provides evidence for inis iaw.

Section: 2.02

5.

If an $Ss \times Ss$ mating is performed and the progeny have the following phenotypic ratios S- (– indicates that the other allele is unknown) 3 and ss 1 it would indicate that

<u>A.</u>

The S allele is dominant to the s allele

B. Neither allele is dominant

C.

The s allele is dominant to the S allele

D. Cannot determine the relationship between the alleles based on the information given

Bloom's: 4. Analyze

Learning Objective: 02.02.01 Explain Mendel's law of segregation and how it predicts the 3:1 dominant-to-recessive phenotypic ratio among $the \ F2\ generation\ of\ a\ monohybrid\ cross.$

Topic: Genetic Analysis According to Mendel

6.

Which of the following probabilities is correct regarding a mating of an Ss/RR individual to an individual who is Ss/Rr (a – indicates the the second allele is either dominant or recessive)

<u>A.</u>

S-/RR: 12.5%

B. Homozygous recessive: 10% C. Heterozygous both alleles: 50%

D.

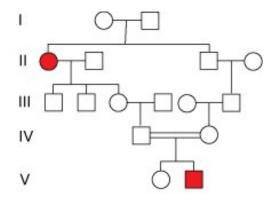
ss/R-:15.5%

Bloom's: 4. Analyze

Learning Objective: 02.02.05 Predict the genotypic and phenotypic ratios among progeny of complex multihybrid crosses using simple rules of probability.

Section: 2.02

7.



What does the pattern of inheritance in this pedigree indicate about the disease allele?

- **<u>A.</u>** The disease allele is recessive
- B. The disease allele is dominant
- C. There is no indication that the disease allele is either dominant or recessive
- D. The disease allele is not inherited but only arises by a new mutation in those individuals that are affected.

Bloom's: 4. Analyze

Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inheritance.

Section: 2.03

Topic: Mendelian Inheritance in Humans

8.

The mutations found in the CF gene that result in cystic fibrosis are recessive because

<u>A.</u> Normal or near normal cellular function can occur from the protein produced by the normal allele

В.

The CF mutations that occur result in no protein being produced

C.

CF mutations only result in a protein that has normal function if there is also a normal CF protein in the cell.

D. CF is fatal and if the alleles that caused CF were dominant it would not be inherited.

Bloom's: 2. Understand

Learning Objective: 02.03.02 Describe the most common molecular mechanism for recessively inherited human genetic diseases such as

cystic fibrosis. Section: 2.03

Topic: Mendelian Inheritance in Humans

9.
The reason that the HD allele acts as a dominant allele is
A.
The mutant HD allele suppress protein production from the normal HD allele
<u>B.</u>
The HD mutation results in a protein that can damage nerve cells even in the presence of the normal protein
C.
The normal HD allele does not normally produce a protein but the mutant HD allele does
D.
The protein produced from the mutant HD allele is non-functional
Bloom's: 2. Understand Learning Objective: 02.03.03 Explain why Huntington disease is caused by a dominant allele. Section: 2.03 Topic: Mendelian Inheritance in Humans
10. If an individual has 10 gene pairs, how many different gametes can be formed if three of the gene pairs are homozygous and the remaining seven gene pairs are heterozygous? A. 49 B. 100 C. 128 D. 1024 E. 131,072
Bloom's: 4. Analyze Learning Objective: 02.02.05 Predict the genotypic and phenotypic ratios among progeny of complex multihybrid crosses using simple rules of probability. Section: 2.02

11.

In some genetically engineered corn plants the dominant gene *Bt* produces a protein that is lethal to certain flying insect pests that eat the corn plants. If the corn plant is heterozygous for *Bt*, what proportion of the pollen would carry the dominant gene?

A. all pollen

B. 1/2

C. 1/3

D. 1/4

E. 1/8

Bloom's: 3. Apply

Learning Objective: 02.02.01 Explain Mendel's law of segregation and how it predicts the 3:1 dominant-to-recessive phenotypic ratio among the F2 generation of a monohybrid cross.

Section: 2.02

Topic: Genetic Analysis According to Mendel

12.

Suppose that in plants, smooth seeds (*S*) are dominant to wrinkled seeds (*s*) and tall plants (*T*) are dominant to short plants (*t*). A tall plant with smooth seeds was backcrossed to a parent that was short and wrinkled. What proportion of the progeny is expected to be homozygous for short and wrinkled?

A. 1/2

B. 1/4

 \overline{C} . 1/8

D. 1/16

E. **0**

Bloom's: 4. Analyze

Learning Objective: 02.02.03 Explain Mendel's law of independent assortment and how the 9:3:3:1 phenotypic ratio in a dihybrid cross

provides evidence for this law.

Section: 2.02

13. Sickle cell anemia is a recessive trait in humans. In a cross between a father who has sickle cell anemia and a mother who is heterozygous for the gene, what is the probability that their first three children will have the normal phenotype?

A. 1/4

B. 1/2

C. none

<u>D.</u> 1/8

E. 1/16 will be albino

Bloom's: 4. Analyze

 $Learning\ Objective:\ 02.02.05\ Predict\ the\ genotypic\ and\ phenotypic\ ratios\ among\ progeny\ of\ complex\ multihybrid\ crosses\ using\ simple\ rules$

of probability. Section: 2.02

Topic: Genetic Analysis According to Mendel

14.

In a monohybrid cross $AA \times aa$, what proportion of homozygotes is expected among the F_2 offspring?

A. 1/4

B. 1/2

 \overline{C} . 3/4

D. All are homozygotes.

E. None are homozygotes.

Bloom's: 4. Analyze

Learning Objective: 02.02.01 Explain Mendel's law of segregation and how it predicts the 3:1 dominant-to-recessive phenotypic ratio among the F2 generation of a monohybrid cross.

Section: 2.02

15.

In a dihybrid cross $AAbb \times aaBB$, what proportion of the F_2 offspring is expected to be homozygotic for at least one gene?

A. 1/4

B. 1/2

<u>C.</u> 3/4

D. All are homozygotes.

E. None are homozygotes.

Bloom's: 4. Analyze

Learning Objective: 02.02.03 Explain Mendel's law of independent assortment and how the 9:3:3:1 phenotypic ratio in a dihybrid cross provides evidence for this law.

Section: 2.02

Topic: Genetic Analysis According to Mendel

16.

In the dihybrid cross $AaBb \times aabb$, what proportion of individuals are expected to be homozygotic for both genes in the F_1 generation?

A. 1/4

B. 1/2

C. 3/4

D. All are homozygotes.

E. None are homozygotes.

Bloom's: 4. Analyze

Learning Objective: 02.02.03 Explain Mendel's law of independent assortment and how the 9:3:3:1 phenotypic ratio in a dihybrid cross provides evidence for this law.

Section: 2.02

17. Among the dihybrid crosses below, which will produce a 1:1 phenotypic ratio? A.
$AABB \times aabb$
В.
$AaBb \times AaBb$
C.
$AaBb \times aabb$
<u>D.</u>
$AaBB \times aaBB$
E.
$AAbb \times aaBB$
Bloom's: 4. Analyze Learning Objective: 02.02.03 Explain Mendel's law of independent assortment and how the 9:3:3:1 phenotypic ratio in a dihybrid cross provides evidence for this law. Section: 2.02 Topic: Genetic Analysis According to Mendel
18.
Assume that in guinea pigs, dark brown fur (<i>B</i>) is dominant to black fur (<i>b</i>). If you mate a homozygous black guinea pig with a heterozygous brown guinea pig, what proportion of the progeny will be black?
A. none B. 1/4 C. 1/2 D. 3/4 E. all
Bloom's: 3. Apply Learning Objective: 02.02.02 Distinguish between a monohybrid cross and a testcross. Section: 2.02

19.

Assume that in guinea pigs, dark brown fur (B) is dominant to black fur (b). If you mate a black guinea pig with a homozygous brown guinea pig, what proportion of the progeny will be homozygous?

A. none

B. 1/4

C. 1/2

D. 3/4

E. all

Bloom's: 3. Apply

Learning Objective: 02.02.02 Distinguish between a monohybrid cross and a testcross.

Section: 2.02

Topic: Genetic Analysis According to Mendel

20. An allele that expresses its phenotype even when heterozygous with a recessive allele is termed

A. recessive.

B. recombinant.

C. dominant.

D. parental.

E. independent.

Bloom's: 2. Understand

Learning Objective: 02.02.01 Explain Mendel's law of segregation and how it predicts the 3:1 dominant-to-recessive phenotypic ratio among the F2 generation of a monohybrid cross.

Section: 2.02

21. The diploid cell formed by the fertilization of the egg by the sperm during sexual reproduction is a A. reciprocal. B. zygote. C. dihybrid. D. gamete. E. monohybrid.
Bloom's: 1. Remember Learning Objective: 02.02.03 Explain Mendel's law of independent assortment and how the 9:3:3:1 phenotypic ratio in a dihybrid cross provides evidence for this law. Section: 2.02 Topic: Genetic Analysis According to Mendel
 22. The actual alleles present in an individual make up the individual's A. recombinant types. B. zygote. C. dominant allele. D. allele. E. genotype.
Bloom's: 1. Remember Learning Objective: 02.02.01 Explain Mendel's law of segregation and how it predicts the 3:1 dominant-to-recessive phenotypic ratio among the F2 generation of a monohybrid cross. Section: 2.02 Topic: Genetic Analysis According to Mendel
23. The first offspring from the parents are called A. P. B. F ₁ .

 $Bloom's{:}\ 1.\ Remember$

Learning Objective: 02.02.01 Explain Mendel's law of segregation and how it predicts the 3:1 dominant-to-recessive phenotypic ratio among the F2 generation of a monohybrid cross.

Section: 2.02

 $\overline{\mathbb{C}}$. F_{2} .

D. testcross.E. backcross.

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What type of cross is performed to determine the genotype of an individual?

- A. testcross
- B. dihybrid
- C. monohybrid
- D. backcross
- E. controlled

Bloom's: 1. Remember

Learning Objective: 02.02.02 Distinguish between a monohybrid cross and a testcross.

Section: 2.02

Topic: Genetic Analysis According to Mendel

- 25. If the parents of a family already have two boys, what is the probability that the next two offspring will be girls?
- A. 1
- B. 1/2
- C. 1/3
- **<u>D.</u>** 1/4
- E. 1/8

Bloom's: 4. Analyze

Learning Objective: 02.02.05 Predict the genotypic and phenotypic ratios among progeny of complex multihybrid crosses using simple rules

of probability. Section: 2.02

26.

Suppose that in plants, smooth seeds (*S*) are dominant to wrinkled seeds (*s*) and tall plants (*T*) are dominant to short plants (*t*). A tall plant with smooth seeds was backcrossed to a parent that was short and wrinkled. What proportion of the progeny is expected to be heterozygous for tall and smooth?

A. 1/2 **B.** 1/4

C. 1/8

D. 1/16

E. **0**

Bloom's: 4. Analyze

Learning Objective: 02.02.02 Distinguish between a monohybrid cross and a testcross.

Section: 2.02

Topic: Genetic Analysis According to Mendel

- 27. A rare recessive trait in a pedigree is indicated by which pattern of inheritance?
- A. vertical
- **B.** horizontal
- C. diagonal
- D. both vertical and horizontal
- E. None of these is correct.

Bloom's: 2. Understand

Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inheritance.

Section: 2.03

Topic: Mendelian Inheritance in Humans

28. The dominant trait, Huntington disease causes severe neural/brain damage at approximately age 40. A female whose mother has Huntington disease marries a male whose parents are normal. It is not known if the female has the disease. What is the probability that their firstborn will inherit the gene that causes Huntington disease?

A. 25% B. 50%

C. 75%

D. 100%

E. 0%

Bloom's: 4. Analyze

Learning Objective: 02.03.03 Explain why Huntington disease is caused by a dominant allele.

Section: 2.03

Topic: Mendelian Inheritance in Humans

29.

In a monohybrid cross $AA \times aa$, what proportion of heterozygotes is expected among the F_2 offspring?

A. 1/4

B. 1/2

C. 3/4

D. All are heterozygotes.

E. None are heterozygotes.

Bloom's: 4. Analyze

Learning Objective: 02.02.01 Explain Mendel's law of segregation and how it predicts the 3:1 dominant-to-recessive phenotypic ratio among the F2 generation of a monohybrid cross.

Section: 2.02

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In a dihybrid cross $AABB \times aabb$, what proportion of heterozygotes for both gene pairs is expected among the F_2 offspring?

A. 1/4

B. 1/2

C. 3/4

D. All are heterozygotes.

E. None are heterozygotes.

Bloom's: 4. Analyze

Learning Objective: 02.02.03 Explain Mendel's law of independent assortment and how the 9:3:3:1 phenotypic ratio in a dihybrid cross provides evidence for this law.

Section: 2.02

Topic: Genetic Analysis According to Mendel

31.

In the dihybrid cross $AaBb \times aabb$, what proportion of heterozygotes for both gene pairs is expected among the F_1 offspring?

A. 1/4

B. 1/2

C. 3/4

D. All are heterozygotes.

E. None are heterozygotes.

Bloom's: 4. Analyze

Learning Objective: 02.02.03 Explain Mendel's law of independent assortment and how the 9:3:3:1 phenotypic ratio in a dihybrid cross

provides evidence for this law.

Section: 2.02

32. Among the dihybrid crosses below, which will give a 1:1:1:1 ratio? A.
$AABB \times aabb$
В.
$AaBb \times AaBb$
<u>C.</u>
$AaBb \times aabb$
D.
$AaBB \times aaBB$
E.
$AAbb \times aaBB$
Bloom's: 4. Analyze Learning Objective: 02.02.04 Interpret phenotypic ratios of progeny to infer how particular traits are inherited. Section: 2.02 Topic: Genetic Analysis According to Mendel
33.
What is the term for cross(es) between parents that differ in only one trait.
A. Self-fertilization B. Cross fertilize

Bloom's: 1. Remember

C. Monohybrid crosses D. Artificial selection E. Reciprocal crosses

Learning Objective: 02.02.02 Distinguish between a monohybrid cross and a testcross. Section: 2.02

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34. An ai	lternative	Torm	ота	single	gene i	S	known	as
J I III W	i communi . o	101111	01 4	5111510	50110		11110 1111	u

A. parental.

B. dihybrid.

C. reciprocal.

D. allele.

E. recessive.

Bloom's: 1. Remember

Learning Objective: 02.02.01 Explain Mendel's law of segregation and how it predicts the 3:1 dominant-to-recessive phenotypic ratio among the F2 generation of a monohybrid cross.

Section: 2.02

Topic: Genetic Analysis According to Mendel

35. A phenotype reflecting a new combination of genes occurring during gamete formation is called

A. a recombinant type.

- B. an independent assortment.
- C. heterozygous.
- D. homozygous.
- E. a multihybrid cross.

Bloom's: 1. Remember

Learning Objective: 02.02.01 Explain Mendel's law of segregation and how it predicts the 3:1 dominant-to-recessive phenotypic ratio among the F2 generation of a monohybrid cross.

Section: 2.02

Topic: Genetic Analysis According to Mendel

(p. 31)

For each of the following pedigree symbols, select the correct meaning.

Section: 2.03

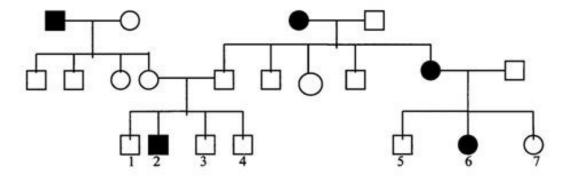
36.
<u>A.</u>
Unaffected male
B.
Unaffected female
C.
Mating
D.
Affected male
E.
Affected female
Bloom's: 1. Remember Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inheritance. Section: 2.03 Topic: Mendelian Inheritance in Humans

37.
A.
Unaffected male
В.
Unaffected female
<u>C.</u>
Mating
D.
Affected male
E.
Affected female
Bloom's: 1. Remember Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inheritance. Section: 2.03 Topic: Mendelian Inheritance in Humans

38.
A.
Unaffected male
<u>B.</u>
Unaffected female
C.
Mating
D.
Affected male
E.
Affected female
Bloom's: 1. Remember Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inheritance. Section: 2.03 Topic: Mendelian Inheritance in Humans

39.
A.
Unaffected male
В.
Unaffected female
C.
Mating
<u>D.</u>
Affected male
E.
Affected female
Bloom's: 1. Remember Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inheritance. Section: 2.03 Topic: Mendelian Inheritance in Humans

Below is a pedigree for a human trait. Shaded symbols are for individuals exhibiting the trait.

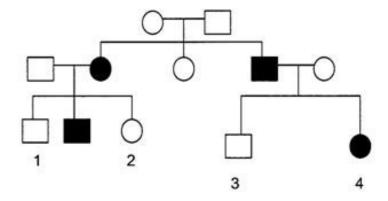


Section: 2.03

40.
Identify the mode of inheritance of the trait.
A.
Dominant
<u>B.</u>
Recessive
C.
Either dominant or recessive
D.
Cannot be determined
Bloom's: 4. Analyze Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inheritance. Section: 2.03
Topic: Mendelian Inheritance in Humans

41.
If individuals 4 and 7 have a child, what is the probability that the child will exhibit the trait?
A.
1/4
В.
1/2
<u>C.</u>
1/3
D.
2/3
E.
0
Bloom's: 4. Analyze Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inheritance. Section: 2.03 Topic: Mendelian Inheritance in Humans

Below is a pedigree of a human genetic disease in which solid color indicates stricken individuals. Assume that the disease is caused by a gene that can have the alleles A or a.



Section: 2.03

42. Based on this pedigree, what is the most likely mode of inheritance? A. Dominant B. Recessive C. Either dominant or recessive D. Cannot be determined

Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inheritance.

Chapter 02 - Mendel's Principles of Heredity

Section: 2.03

Topic: Mendelian Inheritance in Humans

43. What is/are the possible genotype(s) of person 1? A. AA<u>B.</u> Aa C. Either AA or Aa D. aa E. Cannot be determined

Bloom's: 4. Analyze

Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inheritance. Section: 2.03

Topic: Mendelian Inheritance in Humans

Chapter 02 - Mendel's Principles of Heredity 44. What is/are the possible genotype(s) of person 2? A. AA<u>B.</u>

C.

Aa

Either AA or Aa

D.

aa

E.

Cannot be determined

Bloom's: 4. Analyze

Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inheritance. Section: 2.03

Topic: Mendelian Inheritance in Humans

45. What is/are the possible genotype(s) of person 3? A. AA<u>B.</u> Aa C. Either AA or Aa D. aa E.

Bloom's: 4. Analyze

Cannot be determined

Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inheritance. Section: 2.03

Topic: Mendelian Inheritance in Humans

46. What is/are the possible genotype(s) of person 4? A. AAВ. Aa C. Either AA or Aa <u>D.</u> aa E. Cannot be determined

Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inheritance. Section: 2.03

Chapter 02 - Mendel's Principles of Heredity

Bloom's: 4. Analyze

Topic: Mendelian Inheritance in Humans

47.	
If individuals 1 and 4 have a child together, what is the probability that the child will exhibit the disease?	
A.	
0%	
B.	
25%	
<u>C.</u>	
50%	
D.	
75%	
E.	
100%	
Bloom's: 4. Analyze Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inh Section: 2.03 Topic: Mendelian Inheritance in Humans	eritance

48. If individuals 2 and 3 have a child together, what is the probability that the child will exhibit the disease? A. 0% <u>B.</u> 25% C. 50% D. 75% E. 100% Bloom's: 4. Analyze Learning Objective: 02.03.01 Analyze human pedigrees to determine whether a genetic disease exhibits recessive or dominant inheritance. Section: 2.03 Topic: Mendelian Inheritance in Humans

Chapter 02 - Mendel's Principles of Heredity

In corn, liguleless (l) is recessive to ligules (L) and green leaves (G) is dominant to non-green leaves (g).

49.
If a testcross is performed with a plant heterozygous for ligules and green leaves, what proportion of the progeny would be green and liguleless?
A.
1/16
B.
1/8
<u>C.</u>
1/4
D.
1/2
E.
Cannot be determined
Bloom's: 3. Apply Learning Objective: 02.02.02 Distinguish between a monohybrid cross and a testcross. Section: 2.02 Topic: Genetic Analysis According to Mendel

50.
If a plant homozygous for liguleless and green leaves is crossed to one homozygous for non-green with ligules, predict the proportion of F_2 progeny with the genotype $Llgg$.
A.
1/16
<u>B.</u>
1/8
C.
1/4
D.
1/2
E.
Cannot be determined
Bloom's: 3. Apply Learning Objective: 02.02.03 Explain Mendel's law of independent assortment and how the 9:3:3:1 phenotypic ratio in a dihybrid cross provides evidence for this law. Section: 2.02 Topic: Genetic Analysis According to Mendel

51.
If a plant homozygous for liguleless and green leaves is crossed to one homozygous for non-green with ligules, predict the phenotypes and genotypes of the F_1 .
A.
LLGG, green and ligules
B.
LlGG, green and ligules
<u>C.</u>
LlGg, green and ligules
D.
llgg, non-green and liguleless
E.
Llgg, green and liguleless
Bloom's: 3. Apply Learning Objective: 02.02.03 Explain Mendel's law of independent assortment and how the 9:3:3:1 phenotypic ratio in a dihybrid cross provides evidence for this law. Section: 2.02

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How was the approach taken by Mendel similar to the approaches taken by modern scientific inquiry?

A. Mendel repeated his rexperiments B.

Mendel only manipulated a single variable.

C.

Mendel used the same technical methods are are used today.

D.

Mendel's experiments challenged several hypotheses that were favored at the time.

Bloom's: 1. Remember

Learning Objective: 02.01.01 Relate how Mendel's experimental approach is similar to the process of modern scientific inquiry.

Section: 2.01

Topic: Background - The Historical Puzzle of Inheritance