

Chapter 15: From Mendel to Genetics

Chapter Vocabulary Review

Matching On the lines provided, write the letter of the definition of each term.

- | | |
|-------------------------|---|
| _____ 1. genetics | a. likelihood that something will happen |
| _____ 2. trait | b. process by which the number of chromosomes per cell is cut in half |
| _____ 3. hybrid | c. specific characteristic |
| _____ 4. gene | d. offspring of crosses between parents with different traits |
| _____ 5. allele | e. containing a single set of chromosomes |
| _____ 6. gamete | f. sex cell |
| _____ 7. probability | g. factor that determines traits |
| _____ 8. Punnett square | h. diagram showing possible gene combinations |
| _____ 9. karyoid | i. the scientific study of heredity |
| _____ 10. mutation | j. form of a gene |

Completion On the lines provided, complete the following sentences.

11. Organisms that self-fertilize, producing offspring identical to themselves, are _____.
12. Although organisms with the same physical characteristics have the same _____, they might have different _____, or genetic makeup.
13. According to the principle known as _____, genes that segregate independently do not influence each other's inheritance.
14. _____ and _____ are similar because the heterozygous phenotype is different from the homozygous dominant phenotype.
15. _____ results in the exchange of alleles and produces new combinations of alleles.

Multiple-Choice On the lines provided, write the letter of the answer that best completes the sentence or answers the question.

- | | | |
|--|------------------|------------------------|
| _____ 16. In what process do male and female reproductive cells join during sexual reproduction? | a. segregation | c. self-fertilization |
| | b. fertilization | d. cross-fertilization |
| _____ 17. The separation of alleles during gamete formation is called | a. segregation | c. mutation |
| | b. true-breeding | d. crossing-over |

Heredity Part A Vocabulary Review Answers

Xiaolong Qi



Heredity Part A Vocabulary Review Answers:

This book delves into Heredity Part A Vocabulary Review Answers. Heredity Part A Vocabulary Review Answers is a vital topic that needs to be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Heredity Part A Vocabulary Review Answers, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Heredity Part A Vocabulary Review Answers
 - Chapter 2: Essential Elements of Heredity Part A Vocabulary Review Answers
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 - Chapter 4: Heredity Part A Vocabulary Review Answers in Specific Contexts
 - Chapter 5: Conclusion
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