

Name: \_\_\_\_\_

### Genetics Vocabulary Review

**Directions:** Choose the correct vocabulary term for each definition below from the word bank. Place your answers on the line for each question. Each word will be used one time only.

1. The scientific study of heredity. \_\_\_\_\_
2. The passing of physical characteristics from parents to offspring. \_\_\_\_\_
3. Specific, physical characteristics that can be observed using senses. \_\_\_\_\_
4. The allele that will always show up if it is present. \_\_\_\_\_
5. The allele that is hidden in the presence of the dominant allele. \_\_\_\_\_
6. The factors that control the traits you express. (Sections of DNA) \_\_\_\_\_
7. All of the different forms of a gene or trait. \_\_\_\_\_
8. The genetic make up of an organism - its combination of alleles. \_\_\_\_\_
9. The physical appearance of an organism or trait. \_\_\_\_\_
10. Strands of genetic information that contain the instructions for life - found in nucleus of the cell. \_\_\_\_\_
11. An organism that has two identical alleles for a trait. \_\_\_\_\_
12. An organism that has two different alleles for a trait. \_\_\_\_\_
13. A type of cell division that creates identical body cells. \_\_\_\_\_
14. A type of cell division that produces sex cells that have half the number of chromosomes as the original cell. \_\_\_\_\_
15. A tool that will show all of the possible outcomes of a genetic cross. \_\_\_\_\_

Word Bank				
Genotype	Phenotype	Alleles	Dominant	Recessive
Traits	Genetics	Punnett Square	Purebred	Hybrid
Heredity	Mitosis	Genes	Meiosis	DNA

**Directions:** Choose the best answer for each description using the choices provided.

16. Having the same alleles for a trait (Examples: TT and tt)      Homozygous      or      Heterozygous
17. Having different alleles for a trait (Examples: Tt)      Homozygous      or      Heterozygous
18. A capital letter represents this allele (Example: T)      Dominant      or      Recessive
19. A lower case letter represents this allele (Example: t)      Dominant      or      Recessive
20. Stating you have brown eyes and blonde hair is stating this.      Genotype      or      Phenotype

# Introduction To Genetics Vocabulary Review Key Workbook

**Christian Drosten**



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## **Table of Contents Introduction To Genetics Vocabulary Review Key Workbook**

1. Understanding the eBook Introduction To Genetics Vocabulary Review Key Workbook
  - The Rise of Digital Reading Introduction To Genetics Vocabulary Review Key Workbook
  - Advantages of eBooks Over Traditional Books
2. Identifying Introduction To Genetics Vocabulary Review Key Workbook
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Introduction To Genetics Vocabulary Review Key Workbook
  - User-Friendly Interface
4. Exploring eBook Recommendations from Introduction To Genetics Vocabulary Review Key Workbook

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- Personalized Recommendations
- Introduction To Genetics Vocabulary Review Key Workbook User Reviews and Ratings
- Introduction To Genetics Vocabulary Review Key Workbook and Bestseller Lists
- 5. Accessing Introduction To Genetics Vocabulary Review Key Workbook Free and Paid eBooks
  - Introduction To Genetics Vocabulary Review Key Workbook Public Domain eBooks
  - Introduction To Genetics Vocabulary Review Key Workbook eBook Subscription Services
  - Introduction To Genetics Vocabulary Review Key Workbook Budget-Friendly Options
- 6. Navigating Introduction To Genetics Vocabulary Review Key Workbook eBook Formats
  - ePub, PDF, MOBI, and More
  - Introduction To Genetics Vocabulary Review Key Workbook Compatibility with Devices
  - Introduction To Genetics Vocabulary Review Key Workbook Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Introduction To Genetics Vocabulary Review Key Workbook
  - Highlighting and Note-Taking Introduction To Genetics Vocabulary Review Key Workbook
  - Interactive Elements Introduction To Genetics Vocabulary Review Key Workbook
- 8. Staying Engaged with Introduction To Genetics Vocabulary Review Key Workbook
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Introduction To Genetics Vocabulary Review Key Workbook
- 9. Balancing eBooks and Physical Books Introduction To Genetics Vocabulary Review Key Workbook
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Introduction To Genetics Vocabulary Review Key Workbook
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Introduction To Genetics Vocabulary Review Key Workbook
  - Setting Reading Goals Introduction To Genetics Vocabulary Review Key Workbook
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Introduction To Genetics Vocabulary Review Key Workbook

- Fact-Checking eBook Content of Introduction To Genetics Vocabulary Review Key Workbook
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning
- Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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