

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

# Genes and Heredity Vocabulary

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|---|--------------------|
| 1. the genetic material that carries the information about an organism and is passed from parent to offspring   | A. Traits          |
| 2. a trait that is always expressed in the phenotype of an organism   | B. Genetics        |
| 3. the different forms of a gene, 2 exist for every gene  | C. Gene            |
| 4. the passing of traits from parent to offspring   | D. Alleles         |
| 5. characteristics of an organism that are passed on to its offspring through genes                             | E. Heredity        |
| 6. individual units of condensed DNA are called   | F. Genotype        |
| 7. a set of information that controls a trait; a segment of DNA on a chromosome that codes for a specific trait | G. Hybrid          |
| 8. an organism's genetic makeup or possible allele combinations ( BB, Bb, or bb)                                | H. Recessive trait |
| 9. a trait that is expressed only when 2 homozygous _____ alleles are present                                   | I. DNA             |
| 10. the expression of an organism's physical appearance (brown eyes, blue eyes)                                 | J. Chromosomes     |
| 11. When an organism carries both a dominant and a recessive allele for a trait is called a                     | K. Phenotype       |
| 12. the study of heredity and how genes are passed on from traits parent to offspring                           | L. Dominant trait  |