

Name: _____

Date: _____

Heredity and Genetics Vocabulary

Instructions: Use the word bank to complete each statement about genetics and heredity.

Word Bank: phenotype; Punnett square; gene; heredity; 46; genome; chromosomes; genotype; pea; mutations; genetics; 23; DNA; chromatid; trait; alleles

1. The study of heredity is called _____.
2. The basic molecule of life is called _____.
3. Structures made of DNA and other molecules are _____.
4. Each identical rod in a chromosome is called a(n) _____.
5. A small section of DNA is called a _____.
6. When DNA copies itself, it is not always perfect. The mistakes made are called _____.
7. Different versions of the same gene are called _____.
8. Humans have _____ pairs of chromosomes, making a total of _____ chromosomes.
9. The genetic make-up of an organism is known as its _____. The actual physical expression of those genes is called its _____.
10. _____ is the passing of genes from parents to offspring.
11. A(n) _____ is all the DNA in one cell of an organism.
12. A physical characteristic is a _____.
13. A _____ is a chart that shows possible gene combinations.
14. Gregor Mendel was the father of genetics and studied _____ plants.