

Name _____

Date ___/___/___

GENETICS

FUNDAMENTAL CONCEPTS - QUIZ

Match the word with the definition.

A. Heredity

D. Mendelian Genetics

G. DNA

B. Variation

E. Molecular Genetics

H. Alleles

C. Genetics

F. Chromosomes

I. Gene

J. Genome

- ___ 1. A subdiscipline that explains inheritance and diversity according to the tenets of Gregor Mendel
- ___ 2. The study of heredity and variation at the molecular level
- ___ 3. The variants of a gene controlling the same trait and occupying a specific region on a chromosome
- ___ 4. The genetic differences or deviation within or among species
- ___ 5. In humans, they are threadlike strands found in the nucleus of a cell
- ___ 6. The means by which traits are passed down from one generation to the next
- ___ 7. Double-stranded nucleic acid containing the genetic information for cell growth, division, and function
- ___ 8. The science that studies the patterns of inheritance of traits and variation
- ___ 9. The complete set of genetic material in an organism
- ___ 10. fundamental, physical, and functional unit of heredity