

Name: _____ Class: _____ Date: _____

Study Guide: Mendelian Genetics

Vocabulary
Plate

Codominance

Crossing-over

P₁ generation

P₂ generation

Fertilization

Gamete

Gene

Genetics

Genotype

Heterozygous

Homozygous

Homozygous

Hybrid

Incomplete dominance

Independent assortment

Linked genes

Multiple alleles

P generation

Phenotype

Polygenic trait

Probability

Segregation

Tetrad

Trist

True-breeding

Answer the following questions:
What is the principle of dominance?

Compare Meiosis to Mitosis; describe the similarities and the differences between the two processes.

What is Mendel's Law of Segregation?

Explain the differences between incomplete dominance and codominance.

What is Mendel's Law of Independent Assortment?

Describe how genotype and phenotype are related.

What principle did Mendel prove by using Dihybrid crosses?

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