

BIOL01113 Vocabulary Assignment 12

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Allele

Variations in a gene.

Gene

A unit of heredity existing as alleles on chromosomes.

Phenotype

The physical appearance of a trait.

Genotype

The genes of an individual coding for a particular trait or set of traits.

Dominant Allele

An allele that exerts its phenotypic effect whenever it is present.

Recessive Allele

An allele that is masked by and therefore requires the absence of a dominant allele to present its phenotypic effect.

Homozygous

Possessing two of the same allele.

Heterozygous

Possessing two different alleles.

Punnett Square

A table of expected results from simple genetic crosses.

Law of Segregation

During the formation of gametes, the two alleles segregate such that each gamete only receives one allele.