

# 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.