

Introduction to Genetics: Vocabulary Review

Trait	A physical characteristic
Heredity	The passing of traits from parent to offspring
Purebred	A plant that always produces offspring with the same form of a trait as the parent
Cross-pollination	Pollinating a plant with pollen from another plant
P(Parental) Generation	First plants that are cross-pollinated
F1 (First filial) Generation	Offspring of the cross of two parents
F2 (Second filial) Generation	Offspring of cross-pollinated offspring
Gene	Factor (DNA sequence) that controls a trait
Alleles	The different forms of a gene
Hybrid	Offspring with two different alleles for the same gene
Dominant allele	Dominant allele- Trait that always shows up when the allele is present
Recessive allele	Trait that is covered up when a dominant allele is present
Co-dominant alleles	Alleles that are both expressed at that same time
Phenotype	The expressed physical traits or appearance of an organism
Genotype	The alleles that are present in an organism's genome
Homozygous	An organism with two identical alleles
Heterozygous	An organism with two different alleles for a given trait