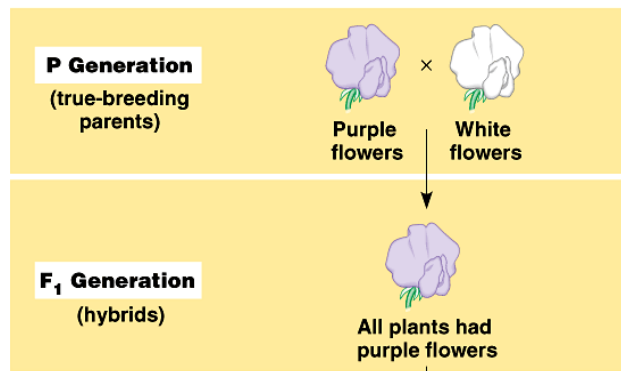


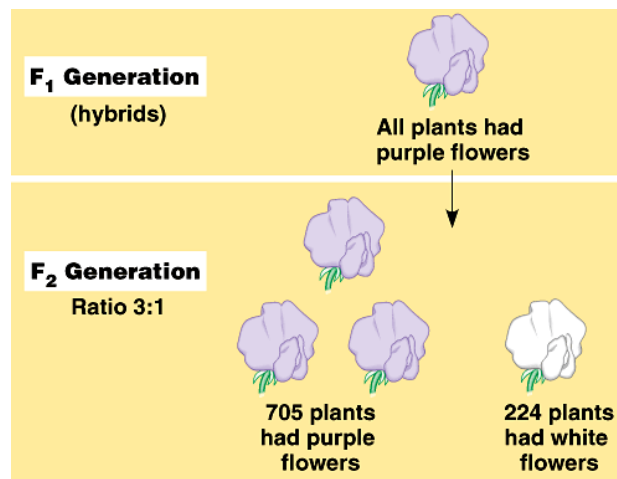
Law of Dominance = dominant trait masks the recessive trait

In the monohybrid cross (mating of two organisms that differ in only one character), one version disappeared.



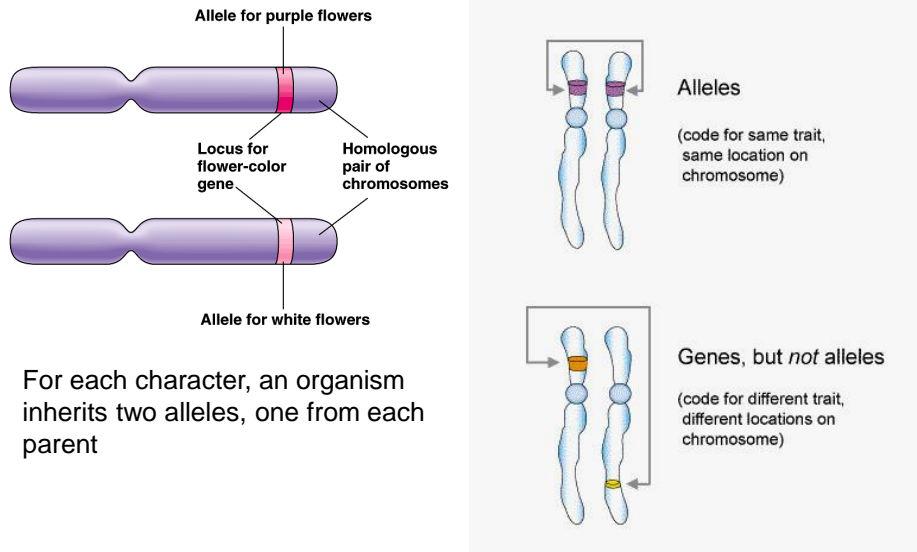
What happens when the F₁'s are crossed?

The F₁ crossed produced the F₂ generation and the lost trait appeared with predictable ratio of 3/4th for dominant trait and 1/4th for recessive trait.



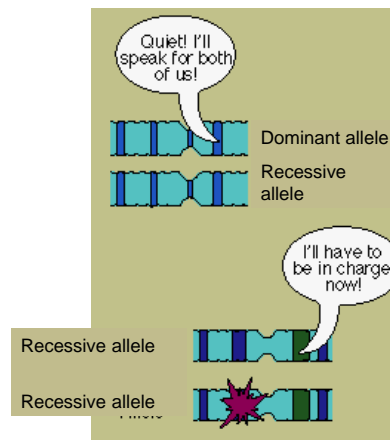
Alleles: alternative versions of a gene.

The gene for a particular inherited character resides at a specific locus (position) on homologous chromosome.



For each character, an organism inherits two alleles, one from each parent

How do alleles differ?



Dominant - a term applied to the trait (allele) that is expressed irregardless of the second allele.

Recessive - a term applied to a trait that is only expressed when the second allele is the same (e.g. short plants are homozygous for the recessive allele).

Genotype versus phenotype.

