

Genetics Terms

genotype-refers to the actual genes the organism has

ex: Tall pea plants might be TT or Tt

short pea plants must be tt since Tall is dominant

phenotype-the actual observable trait

ex: either Tall or short

homozygous-containing two genes of the same type

heterozygous-contains two genes of a different type

alleles-the form of the gene present in the individual.

ex: T is one allele for stem length, t is the other

Single Trait Inheritance

monohybrid crosses-a cross involving only one characteristic
uses a Punnet Square

Example

*cross a heterozygous Tall
pea plant with a homozygous
pea plant*