Genetics Terms

genotype-refers to the actual genes the organism hasex: Tall pea plants might be TT or Ttshort 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

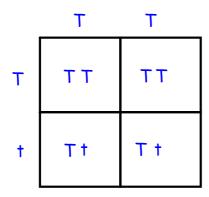
heterozygous-contains two genes of a different type

alleles-the form of the gene present in the individual. ex: T is one allele for stem length, t is the other

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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 tall plant

100% of the plants 'appear' tall!