* Mendel’s Success
  + Choice of subject: *Pisum sativum* (pea plant)
    - Easy to cultivate
    - Grow relatively quickly
    - Large number of varieties of peas available
    - Genetically pure
      * Plants of variable, known genetic makeup
    - Two easily differentiated forms of characteristics
  + Experimental approach
    - Formulated hypotheses and tested
    - Record-keeping
    - Saw patterns in detail
* Genetic Terminology
  + Gene: inherited factor that determines a characteristic
  + Alleles: different versions of genes
  + Locus: specific place on chromosome for all alleles for a particular gene
  + Genotype: set of alleles that an individual has
  + Homozygous: diploid organism with genotype of two identical alleles
  + Heterozygous: diploid organism with genotype of two different alleles
  + Phenotype: appearance of a characteristic
    - Arises from genotype
    - Depends on environment and genotype, which is more dominant depends on the gene
    - Only alleles are inherited, not phenotype