

BIO61 – Human Heredity  
6/19/13

### Student Learning Objectives

By the end of this class you should understand the following:

- The one gene one protein model of genetics
  - Keep in mind this only rarely applies in reality
- The relationships between different alleles
- How to draw a Punnett square for a simple and two-allele cross
- How to interpret genotypes and phenotypes given phenotypic ratios

Support videos:

- Mendelian genetics
  - <http://www.youtube.com/watch?v=NWqgZUnJdAY>

Vocabulary:

- Dominant allele
- Recessive allele
- Incompletely dominant allele
- Codominant allele
- Genotype
- Phenotype
- Homozygous
- Heterozygous
- Law of Segregation
- Law of Independent Assortment
- Chromosomal linkage
- Locus