

Chapter 5 Summary and Review

- Gregor Mendel's work on inheritance:
 - principle of dominance
 - principle of segregation
 - principle of independent assortment
- Punnett Squares
 - Monohybrid crosses
 - Dihybrid crosses
(terms such as: homozygous, heterozygous, pure-bred, true-breeding, hybrid, genotype, phenotype, etc...)

Oct 29-2:13 PM

- Inheritance patterns that differ from Mendel's basic principles

- Incomplete dominance
- Complete dominance
- Multiple Alleles
- Polygenic Traits

- Pedigree Charts (what are they used for? How to create one?)

- Sex-linked chromosome disorders
 - Understand the differences in inheritance patterns for males vs. females
 - Colourblindness, hemophilia, muscular dystrophy

Oct 29-2:16 PM

Potential Review Questions

Textbook

p. 266: #1, 2, 4, 5, 6

p. 269: #4, 5

p. 274: #1, 2, 3

p. 353: #1

Interesting challenge question: See figure 14-4!

Oct 29-2:19 PM