

Heredity

Ch14 Questions

1. How are the multiplication and addition rules applied to monohybrid crosses?
2. Define complete dominance (regular dominant/recessive), incomplete dominance, and codominance.
3. Define multiple alleles, pleiotropy, epistasis, and polygenic inheritance.
4. What is a carrier?
5. List the mode of inheritance for each of the following disorders: dominant autosomal or recessive autosomal
 - a. Cystic fibrosis, sickle-cell anemia, and Huntington's disease

Ch15 Questions

1. What is the chromosome theory of inheritance?
2. Explain Morgan's experiment with fruit flies.
3. What are sex-linked? What disorders are associated with sex-linked genes?
4. What is a Barr body?
5. What are linked genes? Explain the experiment presented on p.293. READ SECTION 15.3!!!!
6. Define: recombinants, genetic map, linkage map, and map units
7. What is nondisjunction and how does it affect the potential offspring?
8. Define the types of chromosome mutations: deletion, duplication, inversion, translocation
9. What is genomic imprinting?