

Ch 14 Human Genome Study Guide

Modified True/False

Indicate whether the statement is true or false. If false, change the identified word or phrase to make the statement true.

- _____ 1. Differing hormone levels among sexes can cause a single genotype to express more than one phenotype. _____
- _____ 2. Polygenic inheritance occurs when there are more than two alleles for a single trait. _____
- _____ 3. More than two phenotypes result from both multiple allelic inheritance and polygenic inheritance. _____

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 4. The type of inheritance shown when a red-flowering plant is crossed with a white-flowering plant and only pink-flowering plants are produced is _____.
 - a. inbreeding
 - b. incomplete dominance
 - c. polygenic inheritance
 - d. codominance
- _____ 5. A trait controlled by four alleles is said to have _____.
 - a. homologous alleles
 - b. autosomes
 - c. hybridization
 - d. multiple alleles
- _____ 6. The 23rd pair of chromosomes that differ in males and females are called _____.
 - a. autosomes
 - b. sex chromosomes
 - c. multiple alleles
 - d. polygenes



Figure 12-1

- _____ 7. Refer to Figure 12-1. If individual III-2 marries a person with the same genotype as individual I-1, what is the chance that one of their children will be afflicted with hemophilia?
 - a. 0%
 - b. 25%
 - c. 50%
 - d. 75%

Human Genome Study Guide Answers

JL Elias



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