

Name _____ Class _____ Date _____

SECTION 12-1 REVIEW**CHROMOSOMES AND INHERITANCE****VOCABULARY REVIEW** Distinguish between the terms in each of the following pairs of terms.

1. sex chromosome, autosome _____

2. germ-cell mutation, somatic-cell mutation _____

3. translocation, nondisjunction _____

4. deletion, inversion _____

5. substitution, frameshift mutation _____

MULTIPLE CHOICE Write the correct letter in the blank.

- _____ 1. Genes that belong to the same linkage group tend to be
 a. located on different chromosomes. c. found only in males.
 b. inherited together. d. found only in somatic cells.
- _____ 2. Two genes that are one map unit apart are separated by crossing-over
 a. 1% of the time. b. 20% of the time. c. 50% of the time. d. 100% of the time.
- _____ 3. Mutations that can be inherited arise in
 a. somatic cells. b. body cells. c. germ cells. d. skin cells.
- _____ 4. Which of the following sequences could result from an inversion of the sequence GAGACATT?
 a. GAGCATT b. GTGACATT c. CTCTGATT d. GATACAGT
- _____ 5. Which of the following is a point mutation that does not produce a frameshift?
 a. substitution b. insertion c. deletion d. inversion

Chromosomes And Inheritance Modern Biology Study Guide

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