

## 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

**Kathleen Stassen Berger**



## **Human Genome Study Guide Answers:**

*Study Guide for The Human Body in Health & Disease - E-Book* Kevin T. Patton, Frank B. Bell, Terry Thompson, Pegg L. Williamson, Eric L. Sun, 2023-03-02 Reinforce your understanding of the concepts in Patton's *The Human Body in Health & Disease* Corresponding to the chapters in the text this study guide reviews essential medical terminology concepts and processes related to anatomy and physiology and explains how body systems function in health and disease Each chapter begins with a quick synopsis of the key points in the textbook chapter A variety of exercises make it easier to review and apply key concepts and labeling of anatomy drawings helps in learning anatomical terms and structures Know your Medical Terms feature helps familiarize you with the various word parts used in medical terminology and pairs nicely with the Language of Medicine word lists in the main text to reinforce medical terminology concepts that are key to understanding A P Brief synopsis of core textbook concepts provides a comprehensive review of essential content Crossword Puzzles and Word Finds help you master new vocabulary terms Application Questions ask you to make judgments based on the information in the chapter Diagrams and labeling exercises help reinforce where the structures of the body are located Matching and fill in the blank exercises aid in understanding chapter content Answers to exercises are provided in the back of the guide along with references to the appropriate textbook page and the textbook objective so that you can easily find where the material is presented Study tips in the Preface provide an overview of the most effective methods for learning and retaining information

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