

Assessment

# Quiz

## Section: Beyond Mendelian Heredity

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

- \_\_\_\_\_ 1. When several genes influence a character, the character is said to be  
a. polygenic. c. codominant.  
b. incompletely dominant. d. completely dominant.
- \_\_\_\_\_ 2. Which of the following patterns of heredity can result in an intermediate trait, such as pink snapdragon flowers?  
a. multiple alleles  
b. incomplete dominance  
c. codominance  
d. sex-linked alleles
- \_\_\_\_\_ 3. Which of the following is responsible for the seasonal fur color of Arctic foxes, which depends on the temperature?  
a. multiple alleles  
b. incomplete dominance  
c. codominance  
d. environmental conditions
- \_\_\_\_\_ 4. Which of the following is influenced by polygenic inheritance?  
a. sickle cell anemia c. hair color  
b. blood type d. Tay-Sachs disease

In the space provided, write the letter of the description that best matches the term or phrase.

- \_\_\_\_\_ 5. eye color a. determine the different ABO blood types
- \_\_\_\_\_ 6. snapdragon flowers b. is influenced by many genes
- \_\_\_\_\_ 7. blood type AB c. show incomplete dominance
- \_\_\_\_\_ 8. genetic linkage d. affects expression of genes
- \_\_\_\_\_ 9. environment e. genes located on the same chromosome
- \_\_\_\_\_ 10. multiple alleles f. an example of codominance