Column B

B. selective breeding

A. test cross.

C. imbreeding.

# Study Guide

# CHAPTER 13 Section 1: Applied Genetics

In your textbook, read about selective breeding.

Match the definition in Column A with the term in Column B.

#### Column A

- the process in which two closely related organisms are bred to produce desired traits and eliminate undesired ones in future generations
- the process by which desired traits in an organism are selected and passed on to their future generations
  - 3. the method for determining the genotype of an organism

In your textbook, read about hybridization.

Complete the graphic organizer about hybridization.

#### Hybridization

- 4. Definition:
- 5. Used by:

#### 6. Advantages of Hybridization:

#### 7. Disadvantages of Hybridization:

In your textbook, read about inbreeding.

Use each of the terms or phrases below only once to complete the passage.

#### Clydesdale

#### harmful recessive traits

#### pure breeds

#### recessive allele

Inbreeding may be used to produce (8) \_\_\_\_\_\_. The

(9) \_\_\_\_\_\_ borse is a good example of inbreeding. One disadvantage of inbreeding is that it can lead to (10) \_\_\_\_\_\_ . Harmful traits can be

passed on to future generations if both parents carry the (11)

# **Study Guide Section 1 Applied Genetics Answers**

Richard O. Straub, David G. Myers

#### **Study Guide Section 1 Applied Genetics Answers:**

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