

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

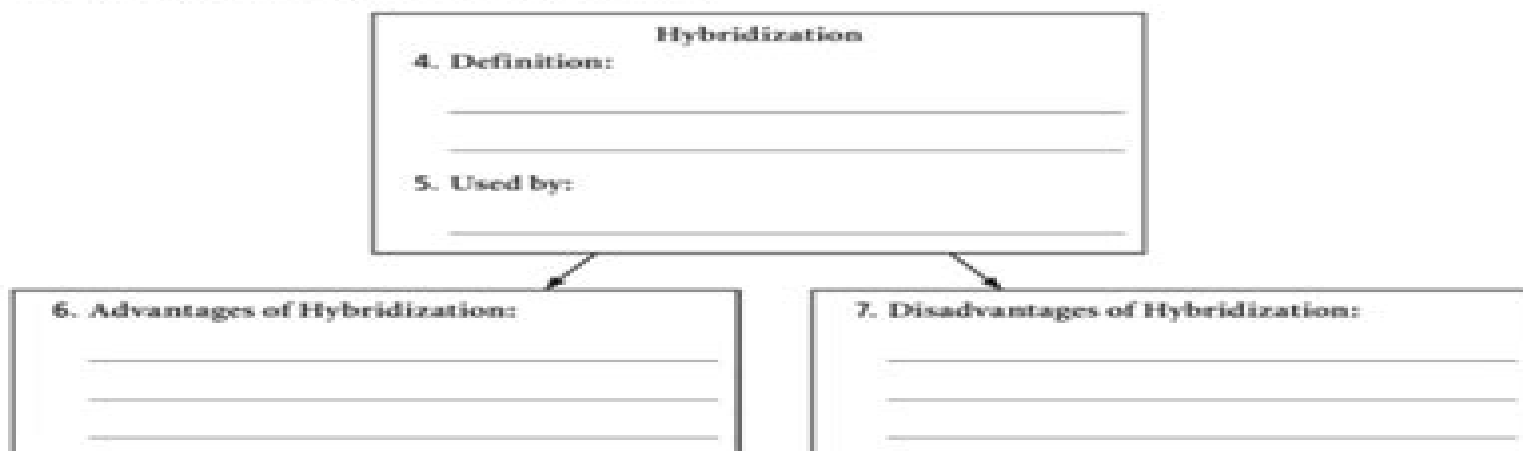
- _____ 1. the process in which two closely related organisms are bred to produce desired traits and eliminate undesired ones in future generations
- _____ 2. the process by which desired traits in an organism are selected and passed on to their future generations
- _____ 3. the method for determining the genotype of an organism

Column B

- A. test cross
- B. selective breeding
- C. inbreeding

In your textbook, read about hybridization.

Complete the graphic organizer about 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) _____ horse 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 For Section 1 Applied Genetics

Ying-Ying Zheng



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