

**Chapter 13 Genetic Engineering** **Section Review 13-1**

**Reviewing Key Concepts**

**Completion** On the lines provided, complete the following sentences using these terms: mutations, generation, organisms, selective breeding, genetic variation, traits, and genetic variability.

In the process of \_\_\_\_\_ 1. \_\_\_\_\_, animals are bred to produce desired \_\_\_\_\_ 2. \_\_\_\_\_ in the next \_\_\_\_\_ 3. \_\_\_\_\_ of \_\_\_\_\_ 4. \_\_\_\_\_, such as dogs and horses.

Breeders can increase the \_\_\_\_\_ 5. \_\_\_\_\_ in a population by inducing \_\_\_\_\_ 6. \_\_\_\_\_, which are the source of \_\_\_\_\_ 7. \_\_\_\_\_.

**Reviewing Key Skills**

8. **Applying Concepts** How can hybridization be used to produce plants with characteristics needed to increase food production?

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. **Comparing and Contrasting** Describe a benefit and a drawback of inbreeding.

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

10. **Inferring** Explain why offspring of plants exposed to radiation may have characteristics not found in the original population.

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