Name _____ Class _____ Date _____

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 _____ , animals are bred to produce
                       1.

desired _____ in the next _____ of
            2.   **3.**

_____ , such as dogs and horses.
          4.

Breeders can increase the _____ in a population by
                             5.

inducing _____ , which are the source of _____ .
             6.   **7.**

Reviewing Key Skills

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

    _____

    _____

    _____

    _____

    _____

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

    _____

    _____

    _____

    _____

    _____

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

    _____

    _____

    _____

    _____

    _____