

Biology

Chapter 10: Principles of Evolution

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 1. Which of the following is a term for a group of similar organisms that can reproduce and produce fertile offspring?
 - a. individual
 - b. population
 - c. species
 - d. fossil

- _____ 2. Which scientist proposed that if an organism used a structure so much that it grew, the trait of that larger structure could be passed to its offspring?
 - a. Erasmus Darwin
 - b. Jean-Baptiste Lamarck
 - c. Georges de Buffon
 - d. Charles Lyell

- _____ 3. The “present is the key to the past” describes the theory of
 - a. uniformitarianism.
 - b. catastrophism.
 - c. natural selection.
 - d. evolution.

- _____ 4. Which of the following is a fossil?
 - a. a plant that has recently died
 - b. a group of similar organisms that can reproduce
 - c. a structure or organ that no longer functions
 - d. a trace of an organism that existed in the past

- _____ 5. The theory that landforms on Earth’s surface, such as mountains, waterfalls, and canyons, were created as the result of sudden spectacular events is called the theory of
 - a. uniformitarianism.
 - b. catastrophism.
 - c. gradualism.
 - d. evolution.

- _____ 6. The difference in the physical traits of an individual from those of other individuals in a group is called a(n)
 - a. change.
 - b. adaptation.
 - c. species.
 - d. variation.

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