

Name _____

Date _____

Homework 10.1 Early Ideas about Evolution

Choose the letter of the best answer.

- _____ 1. Which of the following is a term for a group of similar organisms that can reproduce and produce fertile offspring?
- individual
 - population
 - species
 - 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?
- Erasmus Darwin
 - Jean-Baptiste Lamarck
 - Georges de Buffon
 - Charles Lyell
- _____ 3. The “present is the key to the past” describes the theory of
- uniformitarianism.
 - catastrophism.
 - natural selection.
 - evolution.
- _____ 4. Which of the following is a fossil?
- a plant that has recently died
 - a group of similar organisms that can reproduce
 - a structure or organ that no longer functions
 - 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
- uniformitarianism.
 - catastrophism.
 - gradualism.
 - evolution.

Homework 10.2: Darwin's Observations

Choose the letter of the best answer.

- _____ 1. The difference in the physical traits of an individual from those of other individuals in a group is called a(n)
- change.
 - adaptation.
 - species.
 - variation.
- _____ 2. Over time, adaptations can lead populations to experience
- environmental changes.
 - genetic changes.
 - geologic changes.
 - extinctions.
- _____ 3. What did Charles Darwin observe in finch populations on the Galápagos Islands off the coast of South America?
- different species on different islands
 - all species on one of the islands
 - identical species on all the islands
 - the same species as in North America
- _____ 4. What did Charles Darwin learn from the fossils of a giant armadillo that he found in Argentina?
- An earthquake led to the armadillo's extinction.
 - Armadillos used to be marine organisms.
 - Modern animals may be related to fossilized organisms.
 - Fossils do not resemble modern animals.
- _____ 5. Fossils of marine organisms high in the Andes Mountains led Darwin to conclude that
- Earth is 6000 years old.
 - interspecific variation had taken place.
 - great change can happen over time.
 - an earthquake had taken place.