

Evolution

Name:

Darwin's Thinking

Period:

Use Chapter 10, Section 2 of your textbook to answer the questions below.

Darwin's Thinking (p.308)

1. Darwin tried to figure out why the Galápagos finches had unique _____, even though they were very similar.
2. Darwin thought that the first finches were _____ to the islands during a storm.
- _____ 3. What did Darwin decide about the finches?
 - a. The finches had the wrong beaks for the islands.
 - b. The finches would not survive on the islands.
 - c. The finches had evolved adaptations for various island environments.
 - d. The finches had not adapted to different ways of life.

Ideas About Breeding

4. _____ are forms of an inherited characteristic.
5. _____ is the process of breeding plants and animals that have desired traits.
- _____ 6. Why might selective breeding be used for horses?
 - a. to show natural selection
 - b. to slow evolution
 - c. to make horses faster or bigger
 - d. to make horses slower
- _____ 7. Why might selective breeding be used for fruit trees?
 - a. to show natural selection
 - b. to slow evolution
 - c. to make fruit taste bad
 - d. to make bigger fruit



Ideas About Population (p.309)

8. Thomas Malthus warned that _____ can grow faster than the food supply.
9. Darwin realized that populations of all species are _____ by starvation, disease, and other things.
10. Only a limited number of individuals in a population live long enough to _____.
11. Darwin thought that survivors in a species _____ traits that help them survive.

Ideas About Earth's History

12. Darwin read a book that showed that _____ had formed over a very long period.
13. After reading the book, Darwin reasoned that there would be enough _____ for organisms to slowly change.