

Evolution

Name:

Darwin's Thinking

Period:

Use Chapter 10, Section 2 of your textbook to answer the questions below. The word bank can be used to fill out the sentences below.

adaptations blown Earth inherited limited populations reproduce
selective breeding time traits

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 (p.308)

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 human _____ 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 have _____ traits that help them survive.

Ideas About Earth's History (p.309)

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.