

## Evolution

Name:

### Darwin's Thinking

Period:

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

adaptations    blown    Earth    inherit    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

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.