

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Charles Darwin

7th  
Grade  
Bigham  
Science

- According to Darwin's theory of evolution, how do new species evolve?
  - artificial selection
  - random chance
  - natural selection
  - unnatural selection
- Religious beliefs were a major source of the opposition to Darwin's theory.
  - True
  - False
- Which best describes the prevailing views about evolution and the age of Earth before Darwin's voyage on the HMS Beagle?
  - Earth and life are recent and have remained unchanged.
  - Species evolved rapidly during the first six thousand to a few hundred thousand years.
  - Earth is billions of years old but species have not evolved.
  - Species have evolved on Earth for billions of years.
- Before and during Darwin's time, many theories of evolution had been proposed. With which theories would Darwin most likely agree?
  - Malthus's theory that species and populations were limited by available resources, lack of resources, and competition, and that competition drove evolution
  - Cuvier's theory of catastrophism, where abrupt changes and the survivors of those changes were not new species at all
  - Lyell's theory of uniformity, where a steady, gradual, and lengthy molding of Earth and its species occurred
  - Lamarck's theory that single, simple forms could become more complex in an individual and thereby cause heritable changes in the next generation
- Which factor does NOT support Darwin's theory of evolution?
  - fossil record
  - homologous structures
  - similarities in embryos
  - differences in plants
- In forming his theory of evolution, of what did Darwin most lack an adequate understanding?
  - geology
  - heredity
  - anatomy
  - geography
- Darwin gathered his early evidence of evolution from the \_\_\_\_\_ and especially noticed the remarkable differences in \_\_\_\_\_.
  - Galapagos Islands; monkeys
  - Galapagos Islands; finches
  - Galapagos Islands; fish
  - Hawaiian Islands; fish

8. Darwin was urged to publish his book in 1859 by his friend Alfred Russel Wallace.
- True
  - False
9. What was the name of the book Darwin published in 1859?
- Evolution Over Time
  - Darwin and the HMS Beagle
  - The Origin of Species
  - The Origin of Evolution
10. How did Darwin's finches provide evidence for evolution?