

6th Grade Study Guide

Chapter 6

Adaptations Over Time

IDEAS ABOUT EVOLUTION Section 1

- Define evolution.
- Compare and contrast Lamarck's and Darwin's theories.
- Explain the five principles of natural selection.
- Define variation and adaptation.
- Compare and contrast gradualism and punctuated equilibrium.

CLUES ABOUT EVOLUTION Section 2

- Describe the five types of fossil evidence.
- Compare and contrast radiometric and relative dating.
- Share how embryology, homologous structures, vestigial structures, and DNA all provide additional clues to evolution.

THE EVOLUTION OF PRIMATES Section 3

- Define primate and hominid.
- Describe the relationship between *Australopithecus*, *Homo habilis*, *Homo erectus*, and *Homo sapiens*.
- Describe the relationship between Neanderthals and Cro-Magnon Humans.



"I've been trying to trace my roots, but after a couple of generations, it goes off into a different species."