

Unit 5 Section 3 Study Guide

Directions: Answer the following questions.

Reviewing Objectives Part 1:

1. Explain the process of radioactive decay and explain how radioactive elements are used to date the rocks that contain them. 193-196
2. Relate major events in the history of the Earth to the geologic time scale, including formation of the Earth, formation of an oxygen atmosphere, rise of life, Cretaceous-Tertiary (K-T) and Permian extinctions, and Pleistocene ice age. 216-226

Reviewing Major Concepts Part 2: *Chapter 9 section 2,3*

1. Explain why fossils are rare in Precambrian rocks.
2. Identify one life-form from each of the six periods of the Paleozoic Era.
3. Explain why the Devonian Period is commonly called the Age of Fishes.
4. Describe the kinds of life-forms that became extinct during the mass extinction at the end of the Permian Period.
5. List the periods of the Mesozoic Era, and describe one major life-form in each division.
6. Identify two major geologic and two major biological developments of the Mesozoic Era.
7. List the periods and epochs of the Cenozoic Era, and describe one major life-form in each division.
8. Identify two major geologic and two major biological developments of the Cenozoic Era.
9. Explain how the ice ages affected animal life during the Cenozoic Era.
10. Identify the era, period, and epoch we are in today.
11. Describe the worldwide environmental changes that set the stage for the Age of Mammals.