

# Earth and Life History

Name:

## Geologic Time Scale

Period:

Use Chapter 9, Section 3 to help you answer the questions below.

### Section 3: Time Marches On (p.276)

#### The Geologic Time Scale

- \_\_\_\_\_ 1. What is used to divide Earth's history into smaller pieces of time?
- a. the geologic time scale
  - b. the geographic time scale
  - c. the prehistoric time scale
  - d. the archaeological time scale

#### Divisions of Time

2. The \_\_\_\_\_ is the largest division of Earth's geologic time scale.
3. The \_\_\_\_\_ is the second-largest division on the geologic time scale.
4. On the geologic time scale, periods are divided by \_\_\_\_\_
- \_\_\_\_\_ 5. What can the appearance or disappearance of many species help define?
- a. climatic changes
  - b. species extinction rates
  - c. geologic time boundaries
  - d. species appearance rates

#### The Appearance and Disappearance of Organisms

6. The death of every member of a species is called an \_\_\_\_\_ .
- \_\_\_\_\_ 7. What is one gradual change that can cause a mass extinction?
- a. an asteroid strike
  - b. a climate change
  - c. a volcano eruption
  - d. a tsunami
- \_\_\_\_\_ 8. What is one catastrophic event that can cause a mass extinction?
- a. an asteroid strike
  - b. a tornado
  - c. a hurricane
  - d. a forest fire

