

## 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 (p.277)

- \_\_\_\_\_ 2. What is the largest division of Earth's geologic time scale?
- a. eon
  - b. era
  - c. period
  - d. epoch
- \_\_\_\_\_ 3. What is the second-largest division on the geologic time scale?
- a. eon
  - b. era
  - c. period
  - d. epoch
- \_\_\_\_\_ 4. On the geologic time scale, how are periods divided?
- a. by eons
  - b. by eras
  - c. by epochs
  - d. by millennia
- \_\_\_\_\_ 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 (p.278)

- \_\_\_\_\_ 6. What is the death of every member of a species?
- a. endangerment
  - b. merging
  - c. extinction
  - d. flourishing
- \_\_\_\_\_ 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

