

## Earth and Life History

Name:

### Geologic Time Scale

Period:

Use Chapter 9, Section 3 of your textbook to answer the questions below. The word bank can be used to fill out the sentences below.

changes   climate   eons   epochs   eras   extinction   index fossils   periods  
species   surface   time

#### 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?
- the geologic time scale
  - the geographic time scale
  - the prehistoric time scale
  - the archaeological time scale

##### Divisions of Time (p.277)

2. Earth's history has been divided up into chunks of \_\_\_\_\_ .
3. \_\_\_\_\_ are the largest divisions of Earth's geologic time scale.
4. The slightly smaller chunks of time found within eons are called \_\_\_\_\_ .
5. Eras are divided up into \_\_\_\_\_ .
6. On the geologic time scale, periods are made of smaller sections called \_\_\_\_\_ .
7. The boundaries between intervals of geologic time match up with \_\_\_\_\_ in Earth's history.
8. Boundaries between intervals of geologic time can be defined by changes in the \_\_\_\_\_ or \_\_\_\_\_ of Earth , or by the appearance or disappearance of \_\_\_\_\_ or \_\_\_\_\_ .

##### The Appearance and Disappearance of Organisms (p.278)

9. The death of every member of a species is called an \_\_\_\_\_ .
- \_\_\_\_\_ 10. What is one gradual change that can cause a mass extinction?
- an asteroid strike
  - a climate change
  - a volcano eruption
  - a tsunami
- \_\_\_\_\_ 11. What is one catastrophic event that can cause a mass extinction?
- an asteroid strike
  - a tornado
  - a hurricane
  - a forest fire



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