



Name _____ Class _____ Date _____

- 1 Which sequence shows the correct order of **Earth's geologic time intervals from oldest to youngest**?
- A Archean → Mesozoic → Cenozoic → Paleozoic → Proterozoic
 - B Archean → Proterozoic → Paleozoic → Mesozoic → Cenozoic
 - C Cenozoic → Mesozoic → Paleozoic → Proterozoic → Archean
 - D Cenozoic → Paleozoic → Archean → Mesozoic → Proterozoic

- 2 During which era did the initial opening of the present-day **Atlantic Ocean** most likely occur?
- A Cenozoic
 - B Mesozoic
 - C Paleozoic
 - D Late Proterozoic



- 3 Scientists believe that **Earth's early atmosphere** changed in composition as a result of
- A the appearance of oxygen-producing organisms
 - B the drifting of the continents
 - C the changes in Earth's magnetic field

- 4 During which geologic time period did the **earliest reptiles** and great **coal-forming forests** exist?
- A Devonian
 - B Quaternary
 - C Mississippian
 - D Pennsylvanian



5



PREVIEW

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- C warm and dry
- D warm and wet



- C hurricane
- D thunderstorm



- 9 Specific **mass extinction** of living organisms and **global climatic changes** in geologic history are inferred by most scientists to have been caused by
- A the impact of asteroids or large meteors on Earth's surface
 - B the gravitational pull of the Sun on Earth's surface
 - C large energy surges from the surface of the Sun
 - D earthquakes occurring along crustal plate boundaries

- 10 Which event occurred **earliest** in geologic history?
- A appearance of the earliest grasses
 - B appearance of the earliest birds
 - C the Grenville Orogeny
 - D the intrusion of the Palisades Sill





ANSWER KEY

Which sequence shows the correct order of Earth's geologic time intervals from **oldest to youngest**?

- A Archean → Mesozoic → Cenozoic → Paleozoic → Proterozoic
- B Archean → Proterozoic → Paleozoic → Mesozoic → Cenozoic
- C Cenozoic → Mesozoic → Paleozoic → Proterozoic → Archean
- D Cenozoic → Paleozoic → Archean → Mesozoic → Proterozoic

(b)

During which era did the initial opening of the present-day **Atlantic Ocean** most likely occur?

- A Cenozoic
- B Mesozoic
- C Paleozoic
- D Late Proterozoic



(b)

Scientists believe that Earth's **early atmosphere** changed in composition as a result of

- A the appearance of oxygen-producing organisms
- B the drifting of the continents
- C the changes in Earth's magnetic field
- D a transfer of gases from the Sun

(a)

During which geologic time period did the **earliest reptiles** and great **coal-forming forests** exist?

- A Devonian
- B Quaternary
- C Mississippian
- D Pennsylvanian



(d)

Time of
The
CC
A
B
C
D



PREVIEW

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D warm and wet



D thunderstorm



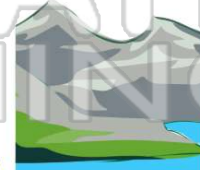
Specific **mass extinction** of living organisms and **global climatic changes** in geologic history are inferred by most scientists to have been caused by

- A the impact of asteroids or large meteors on Earth's surface
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(a)

Which event occurred **earliest** in geologic history?

- A appearance of the earliest grasses
- B appearance of the earliest birds
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(c)