





Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Geologic time is divided into **eons, eras, periods,** and **epochs**. Put the following in order, from **longest** period of time to **shortest**.  
Cenozoic, Phanerozoic, Pleistocene, Quaternary

- A Pleistocene, Phanerozoic, Cenozoic, Quaternary
- B Quaternary, Pleistocene, Phanerozoic, Cenozoic
- C Phanerozoic, Cenozoic, Quaternary, Pleistocene
- D Cenozoic, Phanerozoic, Quaternary, Pleistocene

2 The **absolute age** of the earth is determined to be \_\_\_\_\_.

- A 4.6 million years
- B 4.6 billion years
- C 200 million years
- D 200 billion years



3 Which eon contains the majority of the **fossil record**?

Phanerozoic
Proterozoic

4 Geologists divide **earth's history** into segments of time. This **division of earth's history** is called \_\_\_\_\_.

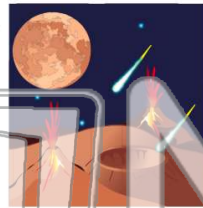
EON	ERA	PERIOD	EPOCH
Archean	Quaternary	Holocene	



## PREVIEW

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- A a vote of a committee of paleontologists
- B significant changes in earth's geologic and life history
- C the minerals present
- D the presence or absence of dinosaurs



Because of this constant change, the **oldest rocks** have been melted and metamorphosed. We know about earth's oldest rocks by **studying** \_\_\_\_\_.

- A the earliest fossils such as trilobites and brachiopods
- B the rocks at the very bottom of the Grand Canyon
- C meteorites and rocks from the moon
- D books, because it's impossible to know anything about earth's oldest rocks

9 Which of the following is an **epoch**?

- A Phanerozoic
- B Cenozoic
- C Pleistocene
- D Quaternary

EON	ERA	PERIOD	EPOCH		
Phanerozoic	Cenozoic	Quaternary	Holocene		
			Pleistocene		
		Tertiary	Pliocene	Pliocene	
				Miocene	
				Oligocene	
				Eocene	
			Paleogene	Neogene	Paleocene

10 **Mammals** appear and are **dominant** in which era?

- A the Phanerozoic
- B the Paleozoic
- C the Mesozoic
- D the Cenozoic

