**History of the Earth Pre-Test**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. How old is the Earth?
	1. 2 million years c. 4 million years
	2. 2.5 billion years d. 4.6 billion years
2. The law of superposition states that
	1. The youngest is on the bottom c. oldest is on the bottom
	2. The oldest is on the top d. the rock that cuts across is older
3. What era is known as the age of the dinosaurs?
	1. Cenezoic c. Paleozoic
	2. Mesozoic d. Precambrian
4. What era is known as the “age of mammals”?
	1. Cenezoic c. Paleozoic
	2. Mesozoic d. Precambrian
5. In what era did the “Explosion of Life” begin into the oceans?
	1. Cenezoic c. Paleozoic
	2. Mesozoic d. Precambrian
6. What two techniques can scientists use to determine the age of a rock or a fossil?
7. General Relativity & Law of Reflection c. rock sequencing & absolute dating
8. Relative Dating & Absolute Dating d. relative fossils & radiometric rocks
9. Which era/eon in the Geologic Time Scale represents the largest expanse of time?
	1. Precambrian c. paleozoic
	2. Cenozoic d. mesozoic
10. The law of cross cutting relationships states that
	1. The rock that cuts across is older than the rock it cuts
	2. The rock that cuts across is younger than the rock it cuts
	3. The rock that cuts across is the same age as the rock it cuts
	4. The rock that is being cut is younger than the rock that is cutting it
11. Index fossils are fossils that are found
	1. In only one rock layer c. in the oldest rock layer
	2. In all rock layers d. in the youngest rock layer
12. The era that we live in today is called the
	1. Mesozoic c. Triassic
	2. Paleozoic d. Cenezoic
13. What type of rock would form deep within the Earth from heat and pressure?
	1. Sedimentary c. metamorphic
	2. Igneous d. limestone

 

1. What is A? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What does A turn into? \_\_\_\_\_\_\_\_\_
3. In which layer would you find a metamorphic rock? \_\_\_\_\_\_\_\_\_\_\_\_
4. In which layer would you find an igneous rock? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. In which layer(s) would you find a sedimentary rock? \_\_\_\_\_\_\_\_\_\_\_\_\_
6. List the order of rocks from oldest to youngest.

**Extended Response Questions**



1. The Earth has changed greatly during its 4.6 billion year history.
2. Chose an Era and **explain in detail 3 events/descriptions** that characterized that time period in the Earth’s history.