

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

Science 2 Chapter 3 Study Guide Test: 12/6 or 12/7

	Question	Answer
1	Geologic time is divided into units based upon types of <u>C</u> ?	<ul style="list-style-type: none"> <li>a. Sedimentary rocks</li> <li>b. Climate changes</li> <li>c. Organisms</li> <li>d. Igneous rocks</li> </ul>
2	The longest subdivision in geologic time is a(n) ____?	Eon
3	A lifeform in the Precambrian Era was <u>A</u> ?	<ul style="list-style-type: none"> <li>a. Cyanobacteria</li> <li>b. Humans</li> <li>c. Reptiles</li> <li>d. Dinosaurs</li> </ul>
4	Little is known about Earth's Early History because <u>D</u> ?	<ul style="list-style-type: none"> <li>a. Precambrian rocks have been deeply buried</li> <li>b. Precambrian rocks have been changed by heat and pressure</li> <li>c. Precambrian soft-bodied life-forms weren't often preserved as fossils</li> <li>d. All of the above</li> </ul>
5	The change in environments that may have occurred early in the Phanerozoic Eon may have been caused by <u>C</u> .	<ul style="list-style-type: none"> <li>a. Mass extinctions</li> <li>b. Evolution of dinosaurs</li> <li>c. Plate tectonics</li> <li>d. The beginning of the ice age</li> </ul>
6	Humans first appeared during the ____ Era	Cenozoic
7	Where did the water in the Earth's oceans come from? ____ and ____	Gases released from volcanic eruptions, and icy comets
8	Major changes in the environment <u>D</u>	<ul style="list-style-type: none"> <li>a. Can cause new organisms to flourish</li> <li>b. Can cause many existing organisms to go extinct</li> <li>c. Can result in existing organisms adapting quickly</li> <li>d. All of the above</li> </ul>
9	How would an asteroid impacting Earth effect the climate?	The dust and rocks thrown into the atmosphere rapidly cause global cooling.
10	What type of energy causes volcanism and plate tectonics?	Thermal Energy
11	Protocontinents were first formed during the ____ Eon	Proterozoic
12	If layers of rocks are millions of years old, then the ____ rocks are on top, and the ____ rocks are on the bottom. This is the Principle of ____	Youngest, Oldest, Superposition
13	Scientists organized the geologic time scale based on ____	Superposition, and fossils in the rock layers
14	During the Proterozoic Eon, the Earth's atmosphere changed from ____% oxygen to ____% oxygen. This was called the ____	3%, 20%  Oxygen Catastrophe
15	2 supercontinents ____ and ____, had warm shallow oceans near the shores	Pangea, Rodinia