

Review Game: Review of Geologic Time

Directions: Answer the multiple choice questions.

Score Points	Hadean Eon	Archean Eon	Proterozoic Eon	Phanerozoic Eon
100	When did the Hadean Eon begin? a. 4.6 million years ago b. 4.65 billion years ago c. 46 billion years ago	The early Archean atmosphere was a. made of toxic gases b. oxygen rich c. non-existent	Name of supercontinent of this eon a. Pangaea b. Laurentia c. Rodinia	Earliest era of the Phanerozoic a. Cenozoic b. Mesozoic c. Paleozoic
200	During the early Hadean, the Earth was a. a magma ocean b. very rich in oxygen c. covered with igneous rocks	When did the Archean Eon begin? a. 3.8 billion years ago b. 4.2 billion years ago c. 500 million years ago	Some scientists believe that a. the Proterozoic Earth was covered with ice b. the Earth was very warm during the Proterozoic. c. dinosaurs became extinct during the Proterozoic.	Era that began with widespread new life a. Paleozoic b. Mesozoic c. Cenozoic
300	During the Hadean Earth's atmosphere was a. very oxygen rich b. filled with enough oxygen for only a few animals c. oxygen poor	Gas in the Archean atmosphere came from a. water evaporation b. volcanic activity c. animal respiration	These first appeared 630 m.y.a.. a. bacteria b. multi-celled animals c. stromatolites	Era when dinosaurs evolved a. Paleozoic b. Mesozoic c. Cenozoic
400	The Hadean Eon is named for the a. Roman god of fire b. Greek god of thunder c. Greek god of the underworld	During the Archean Earth's land was a. in Pangaea b. in small protocontinents c. in Rodinia	Type of organism with a cell nucleus a. stromatolite b. early cyanobacteria c. eukaryote	When did the Phanerozoic begin? a. 600 million years ago b. 542 million years ago c. 65 million years ago

Answers and Feedback:

	Hadean Eon	Archean Eon	Proterozoic Eon	Phanerozoic Eon
100	The Hadean Eon began 4.65 billion years ago with the formation of the Earth.	The early Archean atmosphere was made of toxic gases like methane and ammonia.	The supercontinent of the Proterozoic was called Rodinia.	The Paleozoic is the earliest era of the Phanerozoic.
200	During the early Hadean, the Earth was a magma ocean.	The Archean began 3.8 billion years ago.	Some scientists believe the Earth was a snowball during the Proterozoic.	The Paleozoic began with the Cambrian Explosion, a time when many new life forms appeared.
300	The Hadean atmosphere was oxygen poor.	The gases in the early Archean atmosphere came from volcanic activity.	Multi-celled animals first appeared about 630 million years ago.	Dinosaurs evolved during the Mesozoic.
400	The Hadean is named for Hades, the Greek god of the underworld.	The Archean land masses were in small protocontinents.	The eukaryotes have complex internal structure, including a cell nucleus.	The Phanerozoic began 542 million years ago.