

4th Grade			
Earth & Space Science			
Chapter 7 Lesson 4			
Page	Question	Answer(s)	Links/Sources
252	What other evidence can you think of that would give you clues about Earth's past?	The location of fossils. Fossils that cross through different sediment layers tell us that those layers happened all at once and are not the result of long time periods.	
252	What do we see in our world that gives us clues about what our world was like in the beginning?	Look to places like Hawaii. Where life flourishes the most, is most likely what Earth was like in the beginning.	
253	What evidence supports the fact that this event, [wind blowing off the tops of mountains after the Great Flood] happened?	Perhaps this means the opening up of volcanoes that reshaped the surface of the land as well as contributed to the Ice Age.	
254	What effect will melting ice have on sea level?	Ice that is floating will not cause a change in sea level. Ice that melts from on top of land, or clay, will cause a rise in the water level.	
255	How could the eruption of the "fountains of the deep" warm up the ocean water?	If Earth's crust used to float on a layer of subterranean water, that water had to have been very warm because it was on top of the Mantle. When it was released to the Earth's surface, it brought with it a huge amount of thermal energy.	
256	Why don't we see many asteroid or meteorite impact craters on Earth's surface?	Earth has such active forces of erosion/deposition that most impact craters would disappear in just a few years. Only major craters, in arid landscapes, are able to survive long term.	
257	How might volcanic activity during the Flood have led to an ice age?	B. Volcanic ash blocked sunlight which caused the global temperature to drop.	
258	What might happen to people living along a coast at the end of an Ice Age?	They will have to move inland, or up a hill, because at the end of an ice age the sea level is about to rise dramatically.	
258	What features on Earth's surface are used as evidence of the Genesis Flood?	Land is mostly made of sedimentary rock. All the deposits of oil and coal required huge amounts of biomass to be buried very quickly.	
259	Explain two different theories about the ice age.	Creationists believe there was one Ice Age after the Flood due to the catastrophic conditions of the Flood. Evolutionists believe that there have been many large and small Ice Ages and that there will continue to be Ice Ages until the end of the Earth.	
258	Why are volcanoes difficult to study?	Because when they are erupting they destroy life and any instrument used to collect data on the ground.	
258	What is seismic wallpaper?	Wallpaper with long strands of glass fibers that help hold a building together.	
259	How can studying past earthquakes help people in the future?	Agencies like FEMA can write guidelines, or cities can enact building codes, that encourage or require houses to be made a specific way so they won't fall apart during an earthquake.	
259	Why would it be important to be able to predict when volcanoes might erupt?	To save lives. To keep people from building in the wrong location. To help with vacation planning.	