

4th Grade			
Earth & Space Science			
Chapter 7 Lesson 2			
Page	Question	Answer(s)	Links/Sources
230	How does this affect what happens when plates move?	Various outcomes explained on next page.	
232	Why can locations far from an earthquake's epicenter sometimes feel the earthquake?	Energy waves will travel really far through solid material.	
232	How are epicenter and focus related?	The epicenter is just the spot on the surface directly above the focus.	
233	What are some of the signs of Jesus 2 nd Coming?	War, Famine, Pestilence and Earthquakes.	
234	Which earthquake rating system can only be determined after observing and talking to eyewitnesses?	The Mercalli Scale.	
234	How many 7.0+ earthquakes can you expect in 20 years?	18 per year x 20 years equals 360 major earthquakes.	
235	Why could living near a volcano that has remained dormant for many years be hazardous?	Because it could erupt and bury you in your home without warning.	
236	How could a volcanic eruption in Alaska impact people who live in western Canada or the northwestern United States?	The ash cloud could impact the local climate to create a mini ice age. Or people may just appreciate a good joke.	
237	How are lava and magma alike and different?	They are both molten rock. Lava is above the ground where magma is below the ground.	
237	Which type of volcano forms when lava slowly squeezes out?	Shield Volcano.	

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237	What can you infer about a 7.5 magnitude earthquake? What should you not infer?	You can infer, logically conclude, that many buildings fell down if it happened near a populated area. You should NOT infer that your town is next and start to panic just because a city on the other side of the ocean just had a large earthquake. Science has found no method of predicting when or where large earthquakes will occur.	
237	Why do most earthquakes occur along faults?	Because of the movements associated with plate tectonics.	
237	Explain how mountains form because of plate tectonics.	When tectonic plates of continental crust collide, they are both of roughly the same density, so one does NOT simply slip under the other. They just pile up together and create mountain ranges like the Himalayas.	
237	How did the earthquake in Acts 16:25-34 turn out to be a blessing?	The jailer became a Christian with his family.	