

Chapter 11 and 12 Earthquakes Test Study Guide: Earth Science, Mr. Traeger

Name: _____

Period: _____

Date: _____

Section	Major Questions to be asked and/or tasked to be measured	Where do I find the information and/or where did we learn this?
11.1	<u>How Rock Deforms</u> - What are the three types of stress in the earth? - What is strain? What happens to rock when it has too much of it? - What are folds: synclines and anticlines? - What are the types of faults in the earth's crust? - What is a hanging wall? What is a foot wall? - What is the difference between normal, reverse, thrust, and strike-slip faults?	- Section 11.1 HW - It's Not My Fault Lab - Internet Investigation ES1102 extra credit - Online Earthquake PowerPoints <i>Killer Quake</i> video and questions <i>Putting Down Roots in Earthquake Country</i> Booklet
12.1	<u>How and Where Earthquakes Happen</u> - How do earthquakes relate to plate tectonics? - What causes earthquakes? - What are the different types of seismic waves? What are their characteristics?	- Section 12.1 HW - Seismic Waves and Plotting Earthquakes Lab - Online Earthquake PowerPoints <i>Killer Quake</i> video and questions <i>Putting Down Roots in Earthquake Country</i> Booklet
12.2	<u>Studying Earthquakes</u> - What is a seismograph and how does it work? - How do you interpret a seismogram? - How do you locate the epicenter of an earthquake? - What is the difference between intensity and magnitude? What scales are used to measure each? - By how much does the energy of an earthquake change between scales of magnitude?	- Section 12.2 HW - Seismic Waves and Plotting Earthquakes Lab - Online Earthquake PowerPoints <i>Killer Quake</i> video and questions <i>Putting Down Roots in Earthquake Country</i> Booklet
12.3	<u>Earthquakes and Society</u> - What are hazards associated with earthquakes? - What are tsunamis? How do they form? What should you do to avoid getting killed by one? - How does the ground type that you live on determine the intensity of the earthquake? - What can you do to prevent earthquake damage and loss of life? - What goes into a good earthquake safety kit? What makes a good earthquake safety plan? - What should you do when an earthquake strikes? What shouldn't you do? - What are the areas of major earthquake risk in the world? - Can we predict earthquakes? If so, how? - How do differences in engineering determine the amount of damage received by structures?	- Section 12.3 HW <i>Killer Quake</i> video and questions - Magnitude versus Intensity Map Coloring Activity - Online Earthquake PowerPoints <i>Putting Down Roots in Earthquake Country</i> Booklet