Earthquake Webquest

Objective: Learn and explore the ins and outs of Plate Tectonics, Volcanoes, and Earthquakes.

Instructions: Go to each of the websites indicated below. Answer the questions or complete the requested responses about each of those sites. Make sure your explanations to the answers as complete as possible.

Plate Tectonics

What are **Plate Tectonics**? **http://www.livescience.com/37706-what-is-plate-tectonics.html**

a. Read the follow article and use the space below to define and describe Plate Tectonics.

b. Who proposed the idea of plate tectonics/continental drift?

c. What are the driving forces behind plate tectonics? Explain in complete sentences.

Earthquakes

What is an Earthquake? Read the follow website:

http://eschooltoday.com/natural-disasters/earthquakes/what-is-an- earthquake.html

a. Use the space below to define and describe what an earthquake is.

b. Click "Next" and describe the following:

i. Under Faults describe Hypocenter:

ii. Under Faults describe Epicenter:

iii. Seismograph:

iv. Richter Scale:

v. Ring of Fire:

c. Click “Next. What are the **types** of earthquakes?

I. Draw and describe each in the boxes below

Drawing			
Description			

d. **Earthquake Waves**: What are the two types of **Seismic Waves**? Draw and describe each.

	P-Waves (Primary Waves)	S-Waves (Secondary Waves)
Drawing		
Description		

e. Click “Next”. Describe a **Tsunami**.

f. Click “Next”. Describe how we can **prepare** for an earthquake.

Go to this website: http://earthquake.usgs.gov . Go to the bottom of the page. Click on Info by Region. Then click on Latest Earthquakes in the menu on the left.

List the location and the magnitude of the three most recent earthquakes in the United States.

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List the location of the 5 most recent earthquakes in the world and their magnitude.

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Are you surprised by the number of earthquakes that occur in the world every week? Why or why not?

Go to the website: https://earthquake.usgs.gov/learn/kids/eqscience.php.
Read the article "The Science of Earthquakes." Complete a CER based on your reading.

Claim:

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Evidence:

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Reasoning:

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