

This looks like a long assignment, but really that's because it includes very specific instructions! Follow the instructions carefully, and answer the questions (which are numbered, and in boldface) as indicated.

Go to the *US Geological Survey Earthquake homepage*, found at:
<http://earthquake.usgs.gov/earthquakes/>

On the left side of that webpage, there are a number of choices: under "Past Earthquakes", select "Past 8-30 days." You will see a map, showing the locations of all earthquakes that have occurred within that period of time.

1. Why are the circles on the map different colors? Why do you think the circles are different sizes?

Scroll down the page to find the major (i.e., the first) Haiti earthquake of Jan 12th. Click on the link to view the details of that earthquake.

--> *make sure that you are looking at the ***earliest*** earthquake on that date: check the time of day*

2. What is the reported magnitude of that earthquake? What is the reported depth of that earthquake? Compare to this map that we used in lab: does this represent a shallow, medium, or deep earthquake?

Click on the "Summary" tab for this earthquake (just above the words "Earthquake Details").

3. How many aftershocks have been reported, and of what magnitudes? What is an 'aftershock'?

4. What type of motion is described for the fault along which the original earthquake on Jan. 12th occurred? (you may simply copy the words from the summary page for this information!)

What type of tectonic environment (convergent, divergent, transform, or not a boundary) is indicated by that type of motion? Briefly explain.

Click on the "Maps" tab for this earthquake. Browse the information available on these maps.

5. Select one specific piece of information available about this earthquake from the maps (something other than its location!!). Tell which map you used, and briefly explain the piece of information you got from it.

Go back to the USGS main Earthquake page (link at the top of this assignment). From the menu on the left side, click on "Earthquake Lists". Scroll down to the sections titled "Historic Earthquakes" and "Largest Earthquakes". You will notice that some of the lists in these sections say "with links to event summary pages." Pick any of these lists to browse, and select any one, specific earthquake from one of these lists. Examine the event summary page for your chosen earthquake.

6. Briefly describe your chosen earthquake, including: (a) where did the earthquake occur, and on what date; (b) what was the magnitude of the earthquake, and what were some of the effects of this earthquake; and (c) why did you choose *this* particular earthquake to tell about?