

# PLOTTING EARTHQUAKES

## Directions:

1. Go to the [USGS – Earthquake Center Website](http://www.usgs.gov), this shows all the activity for the past 7 days. Find yesterday's earthquake data.
2. Choose **5** different earthquake locations, with magnitudes of **3.0 or higher**, and plot them on the map provided using a colored pencil.
3. Each date will be a different **color**, for example 5/1/09 = red, 5/2/09 = blue, etc... On your map, create a key to indicate when those earthquakes occurred.
4. Continue until you have 5 days plotted on your map (25 data points total).

Date	Magnitude	Latitude	Longitude	Region

Date	Magnitude	Latitude	Longitude	Region

Date	Magnitude	Latitude	Longitude	Region

Date	Magnitude	Latitude	Longitude	Region

Date	Magnitude	Latitude	Longitude	Region

- Have your map checked before you go onto the next section: \_\_\_\_\_

**Worldwide map – Look at the [USGS map](#) for earthquake activity for the past 8-30 days, and the plate tectonics homework that you colored to answer the following questions:**

1. What do the yellow lines represent on this map? \_\_\_\_\_
2. What do the different colors tell you about the depths of the earthquakes? \_\_\_\_\_  
\_\_\_\_\_
3. Do you notice a pattern for where earthquakes seem to occur? \_\_\_\_\_ Explain  
\_\_\_\_\_

**U.S. Earthquakes for the last 7 days, use this [USGS website](#) to answer the following:**

1. How many earthquakes with a magnitude of 1 or higher are plotted on this map? \_\_\_\_\_
2. Name the two states with the most earthquake activity: \_\_\_\_\_ & \_\_\_\_\_
3. In which state did the closest earthquake occur? \_\_\_\_\_
4. Name another state on this map that has a lot of earthquake activity \_\_\_\_\_