

## Mapping Earthquakes of the World Within the Last Week Questions

Study the map that you created displaying the earthquake events from the last week and answer the following questions:

1. Do the earthquakes appear to occur all over the earth's surface or only in insolated regions? Why do you think that is?
2. Is there a recognizable pattern to where earthquakes seem to occur? How do you know?
3. If the pattern exists, determine where the high-risk earthquake zones are and name 3 high-risk zones.

Now compare your world map of earthquakes to the tectonic plate map located on my website titled "Tectonic Plate Map" then scroll down to the blue map with the plates.

1. Do you see any relationship between the map you created and the map showing tectonic plates? What is the relationship?
2. Is there 1 or 2 plates in which most of the earthquakes appear to be occurring? If so, which ones?
3. Why do you think those plates you named in 2 produce so many earthquakes?

Now go to my website that shows the types of plate boundaries that exist between the plates, titled "Types of Boundaries Map"

1. Do deep earthquakes seem to correlate to any particular type of plate boundary? If so, what type of boundary?
2. Do shallow earthquakes seem to correlate to any particular type of plate boundary? If so, what type of boundary?
3. Look up the "Ring of Fire" on the Internet, what is the Ring of Fire and where is it located? Why do you think it is called the Ring of Fire?