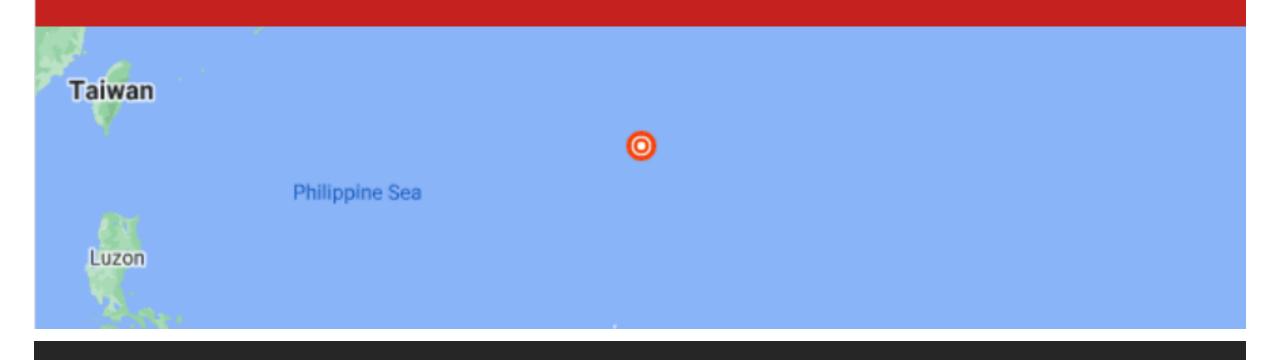
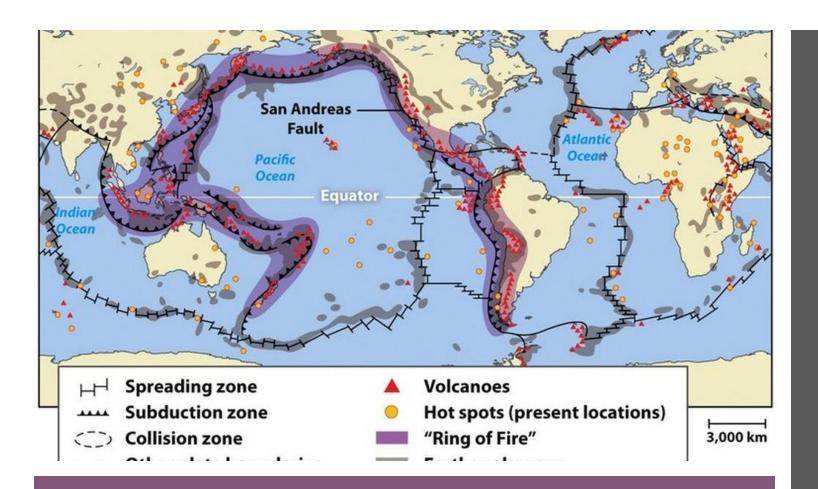
Magnitude 5.3 earthquake

441 miles from Dandan, Saipan, CNMI · Apr 16, 8:27 PM



Mini Lesson

Natural Hazards

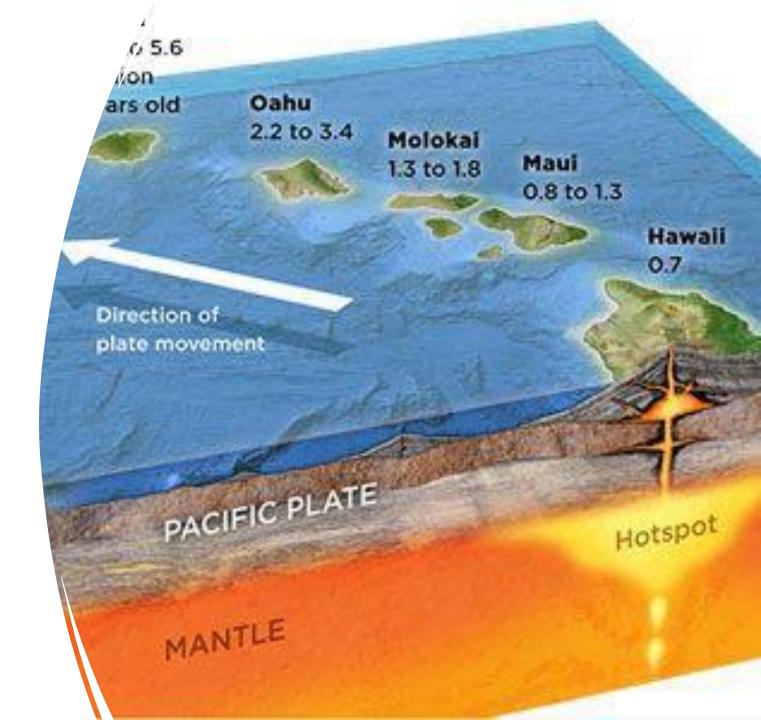


 Plotting earthquake and volcano locations will reveal that these two tectonic events most frequently occur at or near plate boundaries.

Plotting Earthquakes

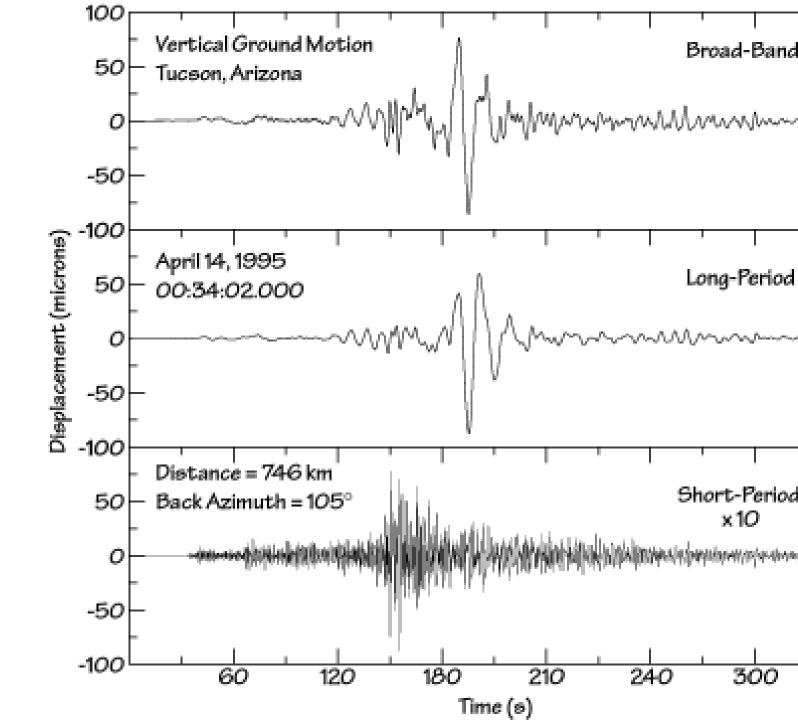
Hotspots

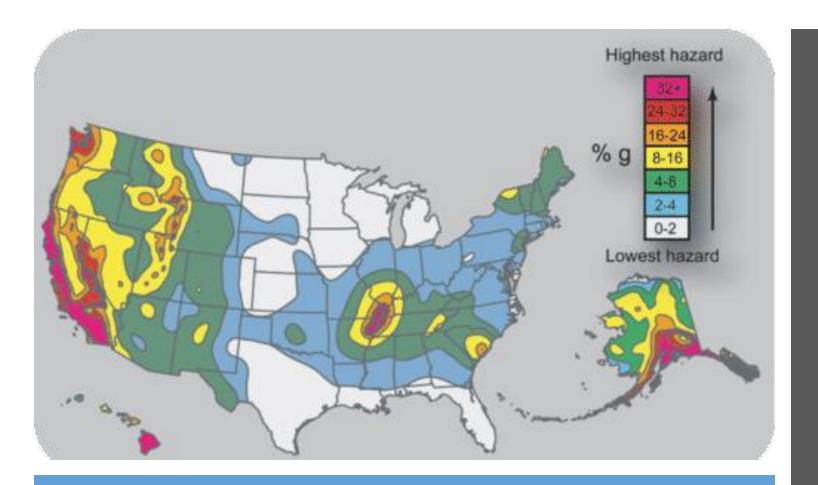
 Magma plumes that rise through the Earth's interior can form hotspots far away from plate boundaries where volcanoes form and earthquakes occurs(e.g. Hawaiian Islands, Galapagos Islands, Yellowstone Caldera, etc.).



Seismograms

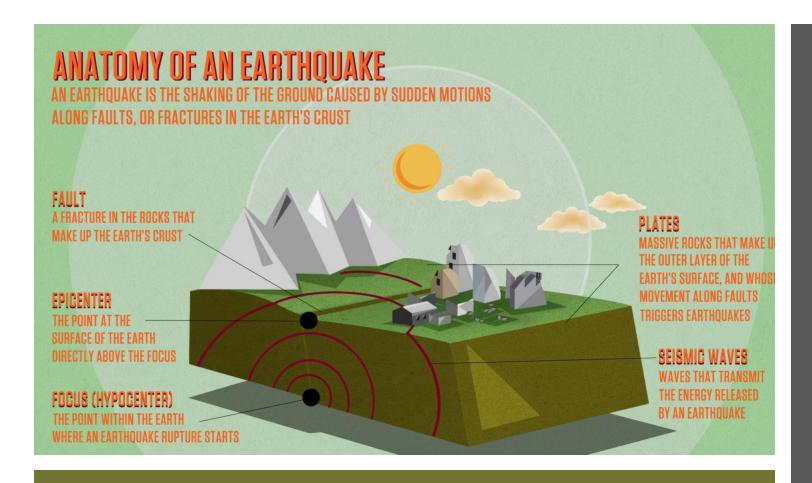
 National and international organizations colle ct tectonic data from earthquakes and volcanoes via seismographic readings including measurements and tracking of locations, magnitudes, frequency, and damage.





 Scientists are not yet able to predict when earthquakes and volcanic eruptions will occur but that they can make predictions about where they are most likely going to happen.

Predicting Earthquakes



Preparing for Earthquakes

- As humans build cities and civilizations, knowledge of natural hazards allows for intentional development.
- This knowledge allows developers to build buildings and prepare for likely events.
- Preparations can include both plans to minimize damage, as well as how to respond to the most likely types of damage that will occur.