Standing on Shaky Ground

The Ball State University Libraries’ GIS Research and Map Collection (GRMC) has created geography lessons to use with some of the maps available on the Libraries’ Digital Media Repository. These maps offer unique cartographic resources for teaching and learning. This lesson utilizes maps from the *Earthquake and Seismic Hazard Maps* Collection.

Use the map, *This Dynamic Planet: World Map of Volcanoes, Earthquakes, Impact Craters, and Plate Tectonics*, to answer the following questions (Map may be downloaded prior to lesson):

Looking at the map, which ocean is circled by the most incidents of seismic activity? **Pacific Ocean**

Is there more seismic activity near the polar regions or near the Equator? **Equator**

Which coast of North America has the most incidents of seismic activity—east or west? **West**

Which part of the African continent has the most incidents of seismic activity—east or west? **East**

How many volcanoes have erupted on the continent of Australia? **One**

Which region of the world has more seismic activity—the United Kingdom and Ireland or Mexico and Central America? **Mexico and Central America**
What is the name of the plate located west of South America? Nazca Plate

On which seismic plate is China and the Korean Peninsula located? Eurasian Plate

Which island lies on the border of two plates—Iceland or Cuba? Iceland

Which country has more seismic activity—India or Italy? Italy

Which U.S. state has more seismic activity—Texas or Alaska? Alaska