You will be given a map showing the tectonic plates of the Earth's surface. Do the following:

- 1. Color the land green
- 2. Color the water blue
- 3. Circle the "Ring of Fire" in red
- 4. Find and label Hawaii
- 5. Find and label the following tectonic plates:

African Plate

Antarctic Plate

Arabian Plate

Australian Plate

Caribbean Plate

Cocos Plate

**Eurasian Plate** 

Indian Plate

Juan de Fuca Plate

Nazca Plate

North American Plate

Pacific Plate

Philippine Plate

Scotia Plate

South American Plate

6. Find and label the following landforms:

Hawaiian Hot-Spot

Cascade Range

San Andreas Fault

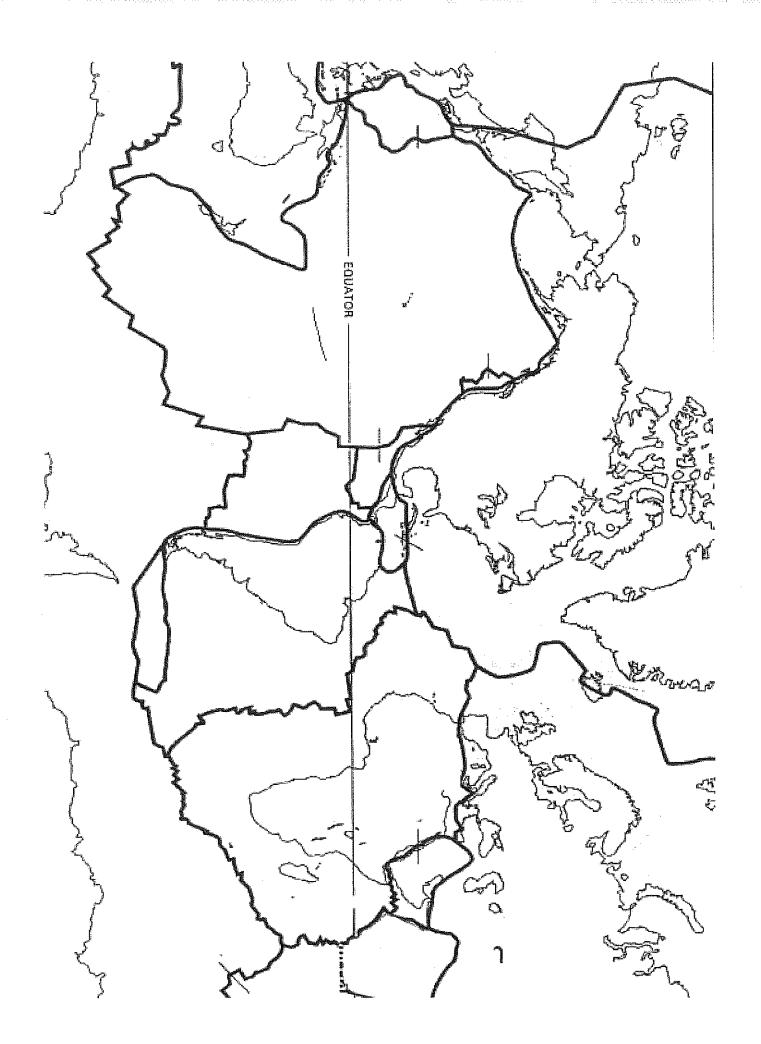
Mid-Atlantic Ridge

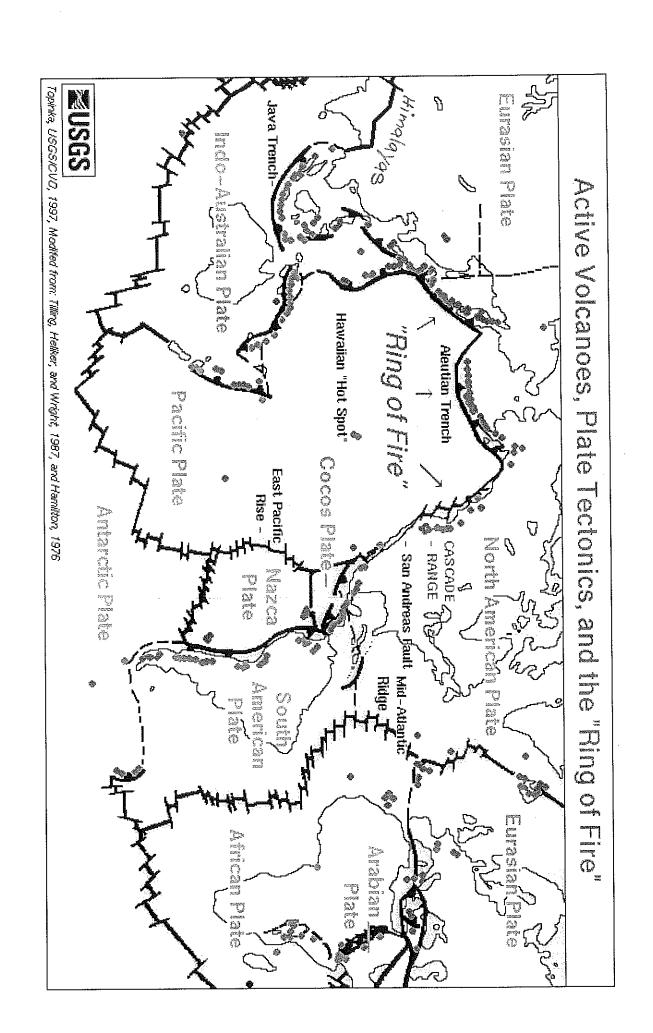
Aleutian Trench

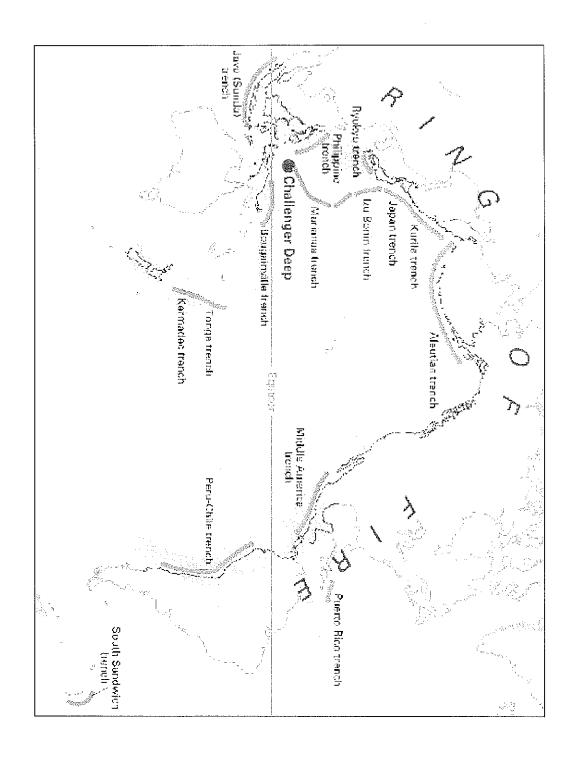
Himalayan Mountains

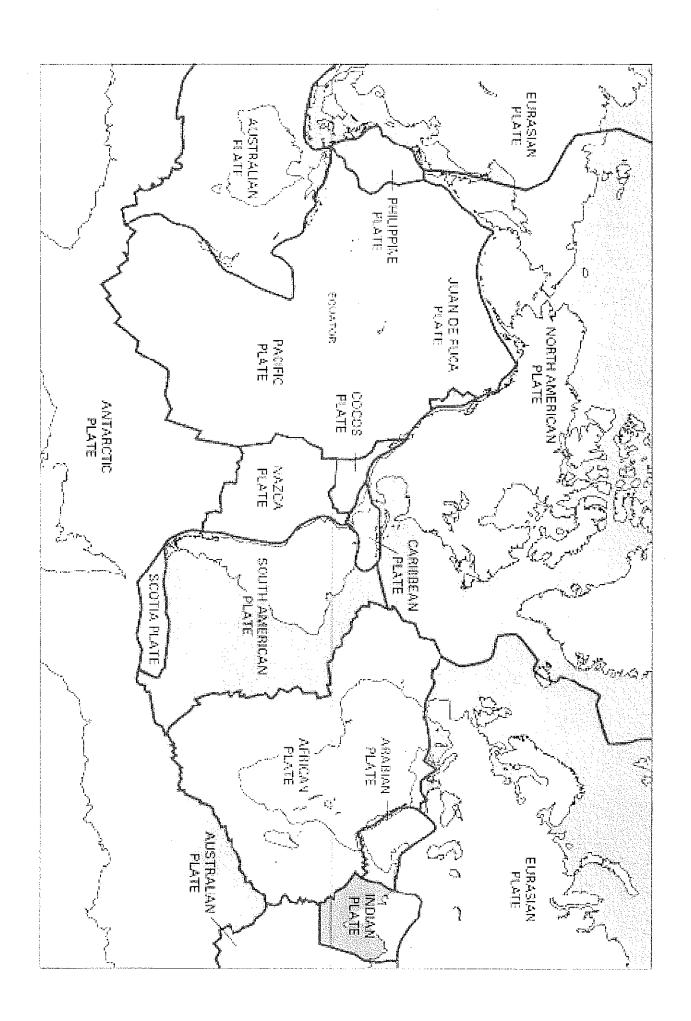
Java Trench

- 7. Draw arrows on your map showing the direction of movement for each plate.
- 8. Add your earthquake and volcano plotting locations to your Tectonic Plates Map.
- 9. Title it "Tectonic Plates and Landforms" at the top in the middle.
- 10. Complete your response questions in your journal using complete sentences.









## INTERPRETIVE MAP OF PLATE TECTONICS

Selected fossil boundary—Former plate boundary, now inactive; evidence that plate boundaries are not permanent Convergent plate boundary—Where crust is recycled as one plate dives under another (in the direction shown by sawteeth) Diffuse boundary zone—Broad belt in which deformation occurs over a wide region (from Gordon, 2000), may encompass one Divergent plate boundary—Where new crust is generated as the plates pull away from each other Fransform plate boundary—Where crust is neither produced nor consumed as plates slide horizontally past each other or more smaller plates

Selected hotspots—Larger symbol indicates major hotspot; smaller symbol indicates minor hotspot

×.4245 Elevation—Highest (+) and lowest (-) points, in meters, on four largest continents and in two oceans Plate motion—Length of arrow is roughly proportional to the rate of plate motion (longer=faster; see main map for details)





