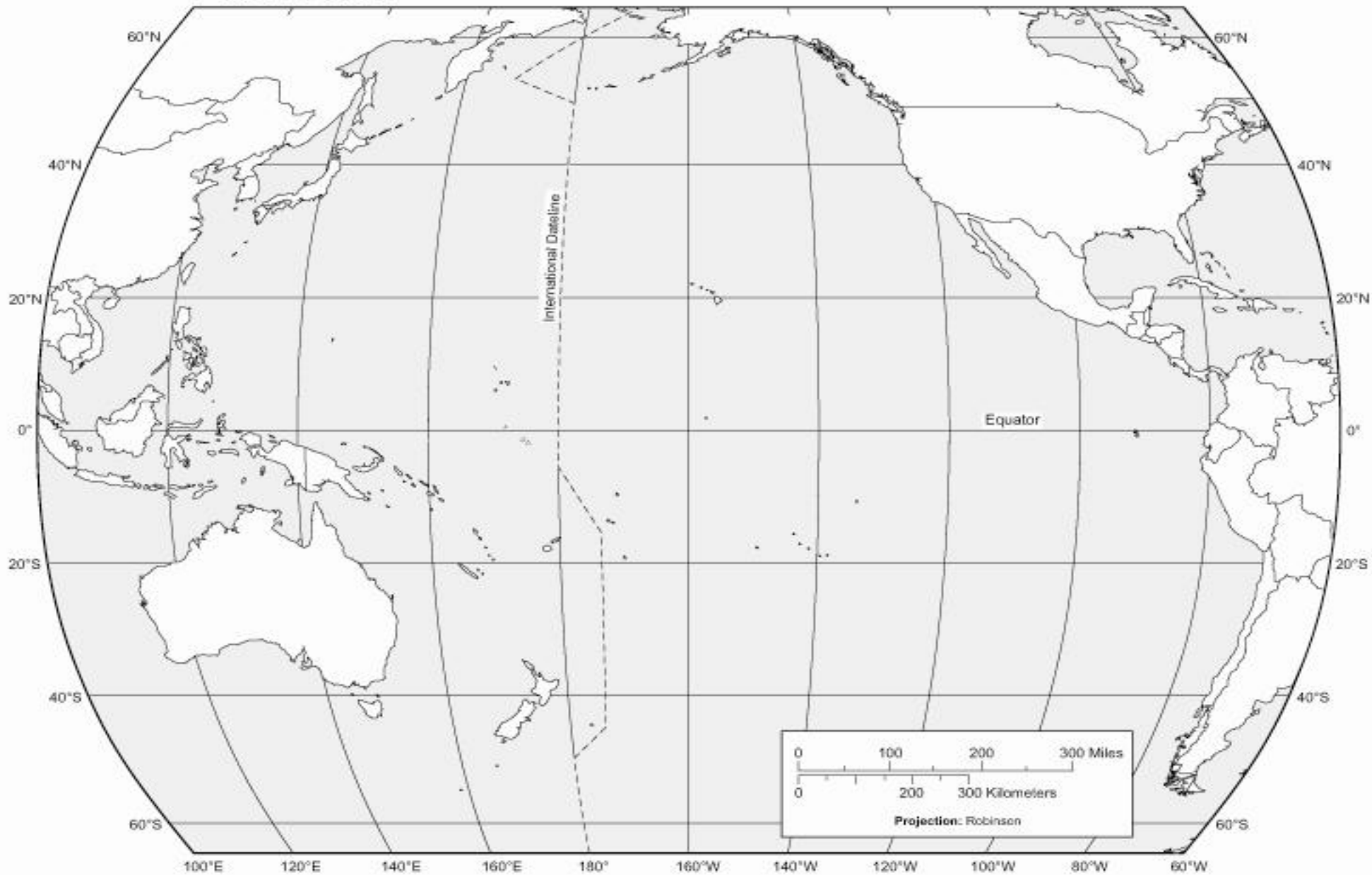


Pacific Rim



Mapping the Ring of Fire (part 1)

- Using a **yellow** pencil on a map of the world make a prediction and shade the areas where you think the most earthquakes occur.

- Using an **orange** pencil on a map of the world make a prediction and shade the areas where you think the most volcanoes occur.

- Label each of the following in **brown**:
 - North America continent
 - South America continent
 - Australia continent
 - Asia continent
 - Pacific Ocean
 - Sea of Japan
 - Mt Rainier
 - Mt Fuji

- Outline and Label the following in **green**:
 - United States of America
 - Japan

Use the information in the data table on the next page to mark the location of each earthquake on the world map that follows the data table.

- Use a **blue** colored pencil to draw a circle at each earthquake location.
- Use a **purple** colored pencil to mark the locations of the volcanoes on the map with a triangle.

Earthquakes

Longitude	Latitude	Longitude	Latitude
120° W	40° N	125° E	23° N
110° E	5° S	30° E	35° N
77° W	4° S	140° E	35° N
88° E	23° N	12° E	46° N
121° E	14° S	75° E	28° N
34° E	7° N	150° W	61° N
74° W	44° N	68° W	47° S
70° W	30° S	175° E	41° S
10° E	45° N	121° E	17° N
85° W	13° N		

Volcanoes

Longitude	Latitude	Longitude	Latitude
150° W	60° N	37° E	3° S
70° W	35° S	145° E	40° N
120° W	45° N	120° E	10° S
61° W	15° N	14° E	41° N
105° W	20° N	105° E	5° S
75° W	0°	35° E	15° N
122° W	40° N	70° W	30° S
30° E	40° N	175° E	39° S
60° E	30° N	123° E	38° N
160° E	55° N		

Mapping the Ring of Fire (part 2)

View a map of seismic data from the Pacific Northwest.

- After viewing the data make inferences and sketch the plate boundaries in the Pacific Northwest with a **red** pencil.

View a map of seismic data from Southeast Asia.

- After viewing the data make inferences and sketch the plate boundaries in Southeast Asia with a **red** pencil.

View a map of seismic data from the Pacific Rim.

- After viewing the data make inferences and sketch the plate boundaries with a **red** pencil.

After you have sketched your inferred boundaries compare your map to a map of the plates of the Pacific Rim

Draw in and label the following plate tectonic structures in **black**:

North American Plate

Pacific Plate

East Pacific Rise

Juan de Fuca Plate

Aleutian Trench

Philippine Plate

Cocos Plate

Nazca Plate

Eurasian Plate

Japan Trench

Australian Plate

Marianas Trench

Peruvian (Atacama) Trench