

Global Patterns

Use the various world maps on your lab table, as well as your own individual world map, to help you answer the following questions regarding the earth's surface.

To Do:

- Using the Seismology Map, add more ●'s to represent additional earthquakes on your world map.
- Using the Volcanology Map, add more ▲'s to represent additional volcanoes on your world map.
- Using the Geography Map, and a brown crayon, mark the highest points of the earth's surface on your world map.
- Using the Rock Ages Map, mark the oldest and youngest rocks on your world map. Use a red crayon to mark the youngest rocks and a blue crayon to mark the oldest. *Do not color too darkly as you will be drawing over these later.*

Answer:

- What is meant by "geologic activity?"
 - Is seafloor age associated with any particular features of the earth?
- Describe the distribution of geologic activity around the world.
 - Are volcanoes associated with any particular features of the earth?
- Is the distribution of geologic activity clumped, random, uniform, or some other pattern? Explain.
 - Are earthquakes associated with any particular features of the earth?
- Are mountains associated with any particular features of the Earth?
 - Summarize your observations: