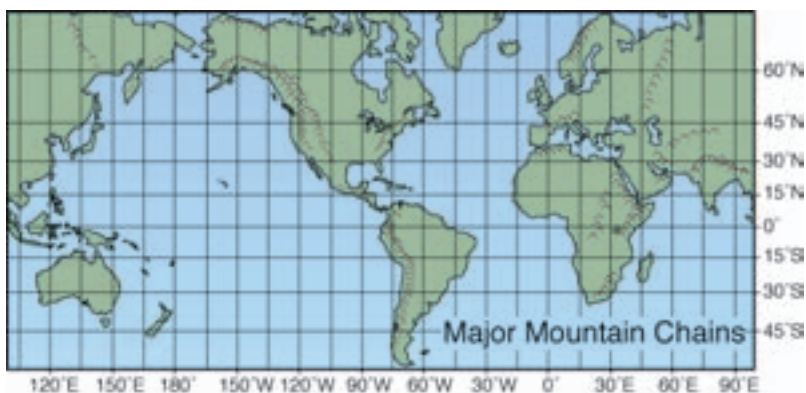




- a) Add this information to your map. Use a different color and a symbol to represent the mountains.
- b) Make sure your key reflects this new information.



7. You now have a map showing the correlation between earthquakes, volcanoes, and major mountain chains in the world. Compare your map to the map of plate boundaries on P27. Discuss and record your ideas about the following. Share your observations and discuss your ideas with the rest of the class.
 - a) List three places where earthquakes, volcanoes, and mountains occur together.
 - b) List three volcanic mountain chains.
 - c) Explain the relationship you think there is among earthquakes, volcanoes, and mountains.
8. The *IES* web site lists several earthquakes and volcanoes. Each group should choose one volcano and one earthquake to investigate. You may wish to divide this task so that each group takes responsibility for a different information source. These might include:
 - Earth science textbooks and reference books.
 - Encyclopedias.
 - CD-ROMs.
 - The *IES* web site at www.agiweb.org/ies.

Work together to use what you've learned about plate tectonics to explain why these earthquakes and volcanoes occurred. Discuss your findings with the rest of the class.

- a) Record the results of your discussions in your journal.



Inquiry

Correlations as Evidence

A correlation is a relationship or connection between two or more things. Correlations are often the first kind of evidence gathered when trying to explain an occurrence.