



Review and Reflect

Review

1. Review your answers to **Investigate, Step 1**. Answer the questions again, using what you learned in this investigation. Be sure to explain your answers.
 - a) Can any mountain have a volcano erupt from it?
 - b) Do earthquakes and volcanoes always occur in the same area?
 - c) Do earthquakes and volcanoes always occur at the same time?
2. Where do most earthquakes occur in the United States? Why?
3. Where in the United States are most volcanoes found? Why?

Reflect

4. How does the gas content of a magma affect the shape of a volcano?
5. Dynamic means powerful or active. How has this investigation added to your understanding of Earth as a dynamic planet?

Thinking about the Earth System

6. How does the hydrosphere influence the nature of volcanic eruptions?
7. How do volcanic eruptions affect the atmosphere?
8. How are volcanoes, earthquakes, and mountains (geosphere) linked to the biosphere?
Remember to write in any connections that you have made between volcanoes, earthquakes, mountains, and the Earth System on your *Earth System Connection* sheet.

Thinking about Scientific Inquiry

9. When did you form your hypotheses in this investigation?
10. What scientific tools did you use in this investigation?