HOME/SCHOOL CONNECTION

Investigation 3: Mapping Earth's Surface

You have been studying two volcanoes, Mount Shasta in California and Mount St. Helens in Washington. Where are other volcanoes in the world?

For this you will need a copy of the world map and data on the locations of active volcanoes.

Study the names on the world map provided. Review the names of the continents and the parts of the ocean. Find your home on the map. Look at the **latitude** lines on the map. They are like rungs on a ladder (side to side) and show where the location is north or south of the equator. **Longitude** lines run up and down and show where the location is east or west. Now you are oriented to the map.

Review the list of the 20 volcanoes that are active around the world. Figure out how to plot the location of each of the volcanoes using the longitude and latitude provided.

After mapping the 20 volcanoes, plot the location of the 20 largest earthquakes to shake Earth. Plot those on the map using a different color.

After mapping the volcanoes and earthquakes, look for patterns. Describe in writing the pattern you observe. Write down any questions that you have.

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