

Goals and Assessment

Clarify that the goals indicate what students should understand and be able to do as a result of the activity. Make sure students understand that Chapter Assessments are based upon these goals.

Goal	Location in Activity	Assessment Opportunity
Find the latitude and longitude of volcanoes nearest your community when given a map of historically active volcanoes.	Investigate Steps 2 – 3	Accuracy of coordinates and proper labeling of coordinates in a data table (°N, S, W, or E).
Search for and describe patterns in the global distribution of volcanoes.	Investigate Steps 4 – 5	Clarity and accuracy of world map that summarizes trends in the USGS map. Map includes a legend that explains the trends.
Make inferences about possible locations of future volcanic activity.	Investigate Step 5(f)	Proper inferences include that volcanic activity is most likely in Washington, Oregon, Hawaii, Alaska, the Caribbean, and Central America.
Understand that most volcanism occurs beneath the ocean.	Investigate Step 4 Digging Deeper Understanding and Applying Question 2	Answer indicates most volcanism is associated with spreading boundaries between plates and that most spreading boundaries occur in the ocean.
Understand that map projections distort regions near the poles and eliminate some data.	Investigate Steps 2(d), 5(g) Digging Deeper Understanding and Applying Question 7	Answers indicate that the map does not cover the entire Earth and that the scale of the map changes with latitude.