

## 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
Use maps to examine the distribution of earthquakes and volcanoes to the location of plate boundaries.	<b>Investigate</b> Step 1 <b>Digging Deeper</b>	Differences between distribution of earthquakes and volcanoes along plate boundaries and within plate interiors accurately described.
Explain the location, nature, and cause of volcanic arcs in terms of plate tectonics.	<b>Investigate</b> Step 5 <b>Digging Deeper</b>	Explanation clear, accurate, references in cross section on page 99.
Explain the location, nature, and cause of hot spots.	<b>Investigate</b> Steps 6 – 7 <b>Digging Deeper</b> <b>Check Your Understanding</b> Question 3	Explanation clear and accurate.
Explain how plate tectonic processes have caused continents to grow through geologic time.	<b>Investigate</b> Step 8 <b>Digging Deeper</b> <b>Check Your Understanding</b> Question 4	Explanation clear, accurate, references experiment in Step 8.  Answer to question reflects the one provided in the Teacher's Edition.
Explain how plate-tectonic processes produce landforms.	<b>Investigate</b> Step 8 <b>Digging Deeper</b> <b>Check Your Understanding</b> Question 2	Explanation clear, accurate, references experiment in Step 8.  Answer to question reflects the one provided in the Teacher's Edition.
Explain how plate tectonics can affect the interior of a continent.	<b>Investigate</b> Step 8	Explanation clear, accurate, references experiment in Step 8.