

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
Make a topographic map from a model.	Investigate Steps 1 – 6, 7(b)	Maps should indicate the elevation of each line, be consistent with the shape of the model, and contain a legend.
Understand the meanings of contour line, contour interval, and relief.	Investigate Steps 1 – 6 Digging Deeper pg. 19 Check Your Understanding Question 1 Understanding and Applying Questions 1 – 4 Inquiring Further Part 1	Examine maps and response to questions for evidence of understanding.
Interpret topographic maps.	Investigate Step 7 Understanding and Applying Questions 1, 5	These questions require application of interpretive skills.
Recognize volcanic landforms on a topographic map, and predict where lava would flow on them.	Investigate Step 7 Understanding and Applying Question 5	Responses should indicate that students recognize volcanic landforms. Understanding topographic maps is a prerequisite skill for this goal.
Understand basic relationships between magma composition and type of volcano formed.	Check Your Understanding Questions 2 – 5	Look for evidence that students understand the relationship between magma composition, magma viscosity, and eruptive style.