

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
Understand why ash from volcanic eruptions can affect a much larger region than lava, pyroclastic flows, or lahars.	Investigate Steps 1 – 4 Understanding and Applying Questions 1 – 4 Inquiring Further Part 1	Responses provide evidence of understanding the differences between airborne debris and volcanic flows.
Define tephra and describe some of the hazards it creates.	Digging Deeper Check Your Understanding Question 2 Preparing for the Chapter Challenge	Responses should provide evidence of understanding airborne hazards.
Interpret maps, and graph data from volcanic eruptions to understand the range in scale of volcanic eruptions.	Investigate Steps 1 – 4 Digging Deeper	Responses to questions based upon the analysis of data and production of graphs provide evidence of understanding the range in scale.
Understand that the explosive force of a volcano is not the only factor that determines its potential to cause loss of life and property.	Investigate Steps 2 – 4 Digging Deeper Check Your Understanding Question 5	Response to question based upon the analysis of data (page 38) provides evidence for assessment purposes.
Interpret maps of wind speed and direction to predict the movement of volcanic ash.	Understanding and Applying Question 4	Responses made using web-based activity provide information about ability to make inferences about the connection between wind and pattern of ash distribution.