

Unit 3 Handout 103

Lesson 12: Investigating Viscosity and Volcano Type Data Sheet

Purpose: Design an experiment to identify and compare how three different liquids flow, how liquids flow when mixed with a solid, and how their flow changes when heated.

- Guiding Questions:**
- How does the viscosity of a liquid affect its movement?
 - How is the viscosity of lava related to the type of volcano formed?

Complete the data table below as you investigate your liquids. You may not need all the space provided as some groups have 3 liquids to test and others only have 2 liquids to test.

Liquid (indicate whether it is room temperature, heated, or mixed with sand)	Time of Travel (s)				Other Observations
	Trial 1	Trial 2	Trial 3	Average	

Complete the table below with data from the entire class.

Liquid	Room-Temperature Liquid				Heated Liquid				Liquid with Sand			
	Trial 1	Trial 2	Trial 3	Average	Trial 1	Trial 2	Trial 3	Average	Trial 1	Trial 2	Trial 3	Average
Corn syrup												
Shampoo												
Water												
Does not apply												