

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Per. \_\_\_\_\_

#### Activity 4: How thick is it? Viscosity and Volcanoes

Data Table

Viscosity	Speed of Flow	Area of the Base	Height
High			
Medium			
Low			

#### Review and Reflection

Use the observations you made during the experiment to answer the following questions.

1. What viscosity of lava produces low, flat volcanic mountains? \_\_\_\_\_
2. What viscosity of lava produces high, steep-sided volcanic mountains? \_\_\_\_\_
3. What viscosity of lava produces volcanic mountains with a wide base? \_\_\_\_\_
4. What viscosity of lava produces volcanic mountains with a narrower base? \_\_\_\_\_
5. Based on your observations, what can you say about how viscosity affects the shape of volcanoes?