

Viscosity and Volcanoes

Predictions:

1. How do you think each of the three fluids will compare to each other when they flow down the wax paper? **The liquids are water, corn syrup and shampoo.**
2. How do you think adding sand to the shampoo and corn syrup will affect how these fluids flow down the wax paper? (1/2 point)
3. How do you think heating the shampoo and corn syrup will affect how each flows down the wax paper? (1/2 point)

Designing the Experiment:

1. What is the purpose of this set of experiments?

To model how different kinds of lava might flow down a volcano

2. Why does every team need to do their experiment the same?

So that we have only one variable, the different kinds of liquids.

3. How will the experiment be carried out by all the groups?

Everyone will use one scoop of liquid for each trial.

The timing will begin when the liquid touches the first line and will end when the liquid hits the second line.

The lines will be 5 cm apart for each trial on the wax paper slope.