

Who Are You Calling Viscous!?!

Purpose: To understand, calculate, and reason the rate of viscosity in several liquids.

Materials: Use the blanks below to identify the materials used in the activity

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Hypothesis: Which liquid do you think will have the highest viscosity (ie – have the longest time)? Which do you think will have the lowest viscosity (ie – the shortest time)? Briefly explain why you made the choices you've made.

Procedure:

1. Get the 5 different liquids as directed from the teacher and bring them back to your location.
2. Get 5 marbles from the teacher and bring them back to your location.
3. One at a time, drop a marble into the beaker and, using a stopwatch, time how long it takes for the marble to get to the bottom of the beaker. TIP: This step cannot be redone without dumping out the beakers contents so timing the marble drop is very important here. If possible, get two group members to time the marble drop for accuracy.
4. Record the time in the space provided below.
5. Repeat steps 3 and 4 for the remaining five test tubes.
6. Answer the conclusion section at the end.
7. Rinse out the test tubes in the sink and set to dry on the paper towel provided.
8. Hand in your activity sheet to Mr. Muise.

