

Oil Viscosity Races Data Sheet

Test the viscosity of at least 3 vegetable-based oils and 3 petroleum-based oils. Submerge the tip of the pipette into the oil. Squeeze the rubber top and bring oil into the pipette until it reaches the calibration mark. Have a student ready with the stopwatch. Hold the pipette upright over a petri dish, pull off the rubber top, and begin timing (if the liquid got sucked higher up into the pipette, wait until it reaches the bottom of the pipette before starting the timer). Stop timing when the last of the liquid has exited the pipette. Record the time, in seconds, in the viscosity row for each type of oil.

	Vegetable-Based Oils			Petroleum-Based Oils		
Type of Oil						
Viscosity (seconds)						

Which oil has the highest viscosity (slowest to exit the pipette)?

What sorts of uses is this oil good for?

Which oil has the lowest viscosity (fastest to exit the pipette)?

What sorts of uses is this oil good for?

Which oil do you want to use in the viscosity races?