

A group of liquids can be compared relative to each other based on viscosity. This experiment is set up with the liquid in a buret. A stop watch is started and the time is recorded when the liquid passes the starting point and the ending point. These starting and ending points are chosen by the person running the experiment. Typically these points are not too close together and are not too far apart.

**Look at the structures below. It may take several seconds for the molecule to show up on the screen. DO NOT SCROLL during this time.**

**Click on the molecules and hold down your mouse button. Move your mouse to rotate the molecule.**

Can you predict how viscous a liquid will be by looking at their molecular structure?

Question 1) How are these five molecules different?

Question 2) If applicable, how are these five molecules similar?

Question 3) What does the red sphere represent?



branched ( $C_8H_{18}$ )	pentanol

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