Name(s)	Project Number
Cobalt J. McAvinue	**J1815**

Project Title

Eta Equals F Over A Divided by Delta Vx Over Delta z (aka Viscosity)

Abstract

Objectives/Goals
I chose to do a project on viscosity. My question was #Does temperature affect the viscosity of a liquid?#
My hypothesis was that a hot fluid would be less viscous than a cold fluid.

Methods/Materials
For the experiment, I used water, shampoo, honey and olive oil at 3 different temperatures: 60 degrees, 80
degrees, 110 degrees. I poured each of the liquids at varying temperatures down a slope and timed the
liquids movement from line 1 to line 2 on this slope.

Results
I found that the flow time of the fluids decreased from cold to hot proving my hypothesis correct.

Conclusions/Discussion
My Conclusion is that the temperature of a fluid is a factor in determining the fluids viscosity. The higher
the temperature of a fluid the less viscous it is.

Summary Statement

This project studies the affects of temperature on a fluids viscosity.

Help Received

My mon helped to heat the fluids.