

# Student worksheet: Viscosity

## Introduction

The viscosity of a liquid is another term for the thickness of a liquid. Thick treacle-like liquids are viscous, runny liquids like water are less viscous. Gases exhibit viscosity in the same way. In this experiment, the viscosity of various liquids are compared.



## What to record

Complete a table like this:

Liquid	Time taken /s
Washing up liquid	
Water	

## What to do

1. Take one of the tubes provided.
2. Ensure the bubble is at the top and the tube is held vertical.
3. Quickly invert the tube and measure the time it takes for the bubble to reach the top.
4. Repeat this measurement for all the samples.

## Questions

1. Which liquid is the most viscous?
2. Which liquid is the least viscous?
3. Design a different experiment for comparing the viscosity of liquids.



## Credits

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*Health & safety checked January 2018*

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