

Describe the relationship between a fraction's viscosity and its boiling range.



FRACTIONAL DISTILLATION

Defence Dynamics

Student Worksheet 2

Activity 2 – Fractional Distillation

This is an illustration of a fractional distillation column, which works to the same principle as that in the video you have just watched.

- a) Without referring to the table you have just completed, see how many of the fractions (outputs) you can label.
- b) Now write / illustrate one use for each fuel against its name.



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Each fraction is composed of differently-sized hydrocarbon molecules. The larger hydrocarbon molecules have higher boiling points and 'exit' from the bottom of the fractionating column. Describe the relationship between the size of the hydrocarbons and their respective boiling points.



