

DENSITY COLUMN



You'll need

Vegetable or sunflower oil
Water
Food Colouring
Washing up liquid (dish soap)
Honey
Golden Syrup/corn syrup
LEGO or other small objects.



Image taken from This IS Rocket Science

Instructions

Carefully pour the liquids into the glass one by one.

Start with the most dense and end with the least dense.

The order in our density column is honey, golden syrup, washing up liquid, blue water and finally vegetable oil!

Can you find a small object to float on each layer?



Extension Task

Try other liquids, can you tell the order of density by pouring them into a container first?

Why does it work?

Each of the liquids have a different mass of molecules or different numbers of parts squashed into the same volume of liquid. This means they have different densities meaning one can sit on top of the other - the more dense a liquid is the heavier it is.

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Adult supervision required. You are responsible for your own safety.

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