DENSITY COLUMN

You'll need
Vegetable or sunflower oil
Water
Food colouring
Washing up liquid (dish soap)
Honey
Golden syrup/corn syrup
Buttons, coins and other small objects.

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, dish soap, blue water and oil.

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

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.

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

Science Sparks™
Adult supervision required. You are responsible for your own safety.
www.sciencesparks.com