

SPOOKY 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 has a different mass of molecules or a different number 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?



SPOOKY DENSITY COLUMN

PREDICTIONS

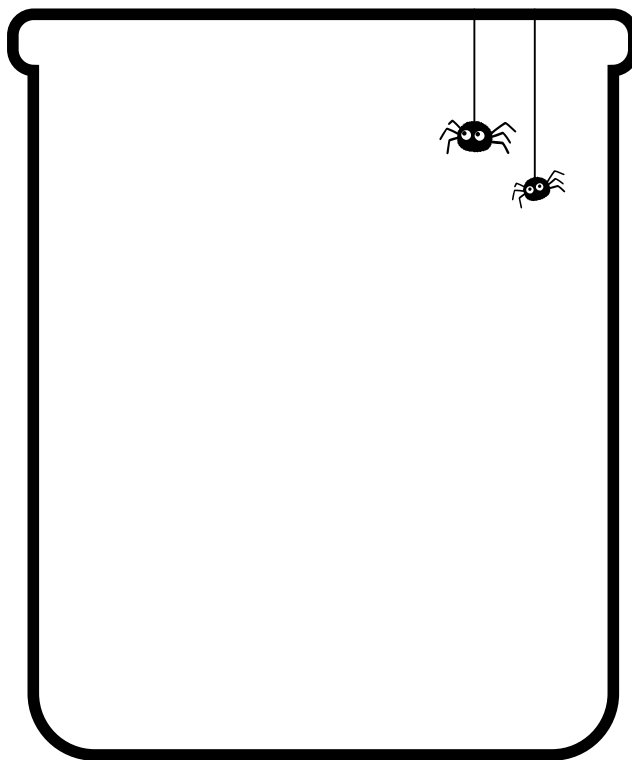
The is the most dense and will sit at the bottom of the glass.

The is the least dense and will sit on top of the other liquids.

LIQUIDS TO USE



Draw and label the layers of your density column

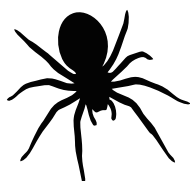


OBJECTS TO TEST

..... sinks to the bottom.

..... floats on water.

..... floats on oil.



OTHER OBSERVATIONS