



Find things out: Lava Lamp

You will need:

- Plastic bottle
- Water
- Vegetable oil
- Effervescent tablet
- Food colouring



Method

1. Fill the bottle 1/3 full of water and add a couple of drops of food colouring to the water.
2. Add vegetable oil to the bottle, leaving at least a 5cm gap from the top of the bottle.
3. Leave for a few minutes, so that the oil and water separate into 2 layers.
4. When you are ready to watch the experiment, remove the cap of the bottle and add half an effervescent table. Leave the cap off the bottle.
5. Watch the bubbles of coloured water rise and fall.
6. Add the other half of the effervescent tablet to continue the experiment.

What happens to the oil and water after they are left still for a minute?

What happens to the tablet in the oil?

What happens to the tablet in the water?

Why is the water rising up?

Why is it falling back down?