

Create your own lava in a cup!

Create your very own lava lamp in a cup by following the instructions below:



Equipment needed

- A clear glass
- $\frac{1}{4}$ cup vegetable oil
- water
- food colouring
- salt

Method

1. Fill the glass about $\frac{3}{4}$ full of water.
2. Add 5 drops of food colouring (red is a good colour for this activity).
3. Slowly pour the vegetable oil into the glass - see how the oil floats on top.
4. Sprinkle the salt on top of oil and watch the lava flow!

Can you answer the following scientific questions about your demonstration?

How long will the effect go on for if you keep adding salt?

Do other substances (e.g. sand, sugar, flour) work the same as salt?

Does the shape of the glass affect the experiment?