

# A Ghostly Lava Lamp!

This is a fun activity to make a ghostly lava lamp over the Halloween period.

## You will need:

- A clear plastic bottle or jar
- A bottle of vegetable oil
- Water
- Effervescent vitamin tablet
- Food colouring in a spooky colour



## Method:

- Fill the bottle or jar a quarter full with water.
- Top up near to the top with vegetable oil.
- Once the water and oil have separated, add six to eight drops of food colouring.
- Pop in half an effervescent vitamin tablet and watch the bubbles begin to form.
- Add more effervescent vitamin tablets bit by bit to keep the bubbles rising and falling.

## Scientific Explanation

Water and oil do not mix due to their structure and density. As the effervescent vitamins are added, they react with the water to form carbon dioxide and sodium citrate. It is the carbon dioxide bubbles that carry the coloured water to the top.