

# Make your own volcano

## **Equipment:**

- Washing up liquid
- Bicarbonate of soda
- Vinegar
- Plastic cup or bottle
- Red food colouring

## **Method:**

1. Half fill the cup/ bottle with water, add 3 teaspoons of bicarbonate of soda and stir until most of it has dissolved.
2. Add a squirt of washing up liquid and stir.
3. Make sure your volcano is outside or an area you don't mind getting messy!
4. Pour in a quarter of a cup of vinegar and stand back to enjoy your own volcanic eruption!

## **Take it further:**

Build a paper mache volcano around your cup/bottle for extra effect!

Does changing the temperature of the water have any affect?



## **The Science bit:**

A chemical reaction has taken place! The bicarbonate of soda (an alkali) and the vinegar (an acid) react and release bubbles of carbon dioxide (CO<sub>2</sub>).