

Erupting Volcano

Come make your own erupting volcano!

Add some vinegar and watch the results...

What's going on?

Inside our 'volcanoes' is a mixture of vinegar, bicarbonate of soda and warm water.

The bicarbonate of soda is a **base** and reacts with the vinegar which is an **acid**. Addition of a base to an acid is called a **neutralisation reaction** – this gives out a lot of energy.



Just like in real volcanoes!

This chemical reaction between the baking soda and vinegar produces carbon dioxide (CO_2) gas, which is also in real volcanoes.

As more CO_2 is produced, **pressure builds up** inside the plastic bottle until they can no longer be contained and (thanks to the washing up liquid) erupt like a 'volcano'.

Can you think of any other acids that you would find at home that could make the volcano erupt?