

# Make Your Own Volcano

## You will need:

- washing-up liquid
- baking soda
- vinegar
- red food colouring
- plastic cup



You could also build a paper mache volcano and put the cup inside it for extra effect!

- 1 Fill your glass just over half way full with water. Add 3 teaspoons of baking soda and give it a good stir until most of the baking soda dissolves.
- 2 Add a good squirt of washing-up liquid into the cup and once again give it a stir.
- 3 Make sure your volcano is in the kitchen or outside (or somewhere you don't mind making a mess).
- 4 Quickly pour in just a quarter of a cup of vinegar and enjoy your very own volcanic eruption!

## The science behind it:

You just made a chemical reaction! By mixing the acid (vinegar) and the alkali (bicarbonate of soda), bubbles of carbon dioxide ( $\text{CO}_2$ ) were released like in a pyroclastic flow. These move very fast and are extremely dangerous, whilst lava flows more slowly and isn't that much of a threat.



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