

VINEGAR VOLCANO



PROFESSOR PETE'S intro...

Background Information:

Use bicarbonate of soda and vinegar to create an awesome chemical reaction! Watch as it rapidly fizzes over your volcano and make sure you've got some towels ready to clean up!



Step 1: Collect your equipment...

- Bicarbonate of Soda
- Vinegar
- A container to hold everything and avoid a big mess!
- PVA glue and newspaper
- Paper towels or a cloth (just in case)

Step 2:

- create your volcano by using the newspaper and PVA glue to build a cone shaped model. Use a toilet roll tube in the centre to ensure you have space to allow the reaction to take place.
- allow to dry for 24 hours.

Step 3:

- Place some bicarbonate of soda into your model volcano.
- Pour in some of the vinegar
- Watch as the reaction takes place!



PROFESSOR PETE SAYS...

The bicarbonate of soda (sodium bicarbonate) is a base while the vinegar (acetic acid) is an acid. When they react together, they form carbonic acid which is very unstable, it instantly breaks apart into water and carbon dioxide, which creates all the fizzing as it escapes the solution. For extra effect you can make a realistic looking volcano. It takes some craft skills, but it will make your vinegar and baking soda eruptions will look even more impressive!