

Make your own volcano!

Create your very own volcanic eruptions with this fun and exciting volcano experiment.



What you'll need

6 cups of plain flour

2 cups of table salt

4 tablespoons of vegetable oil

2 cups of water

A large bowl

An empty plastic bottle

A baking pan

3 drops of red food colouring

6 drops of liquid dishwashing detergent

2 tablespoons of baking soda

Half a cup of white vinegar

Instructions:

Mix 6 cups of flour, 2 cups of salt, 4 tablespoons of vegetable oil and 2 cups of water in a large bowl.

Using your hands, combine the ingredients until the mixture is a firm dough.

Fill the bottle almost to the top with warm water.

Stand the bottle in the centre of the baking pan.

Mould the dough around the bottle in a cone shape (like a volcano). Leave the bottle top uncovered.

Add the drops of red food colouring to the water in the bottle.

Squeeze the drops of detergent into the bottle.

Pour the baking soda into the bottle.

Slowly pour the vinegar into the bottle.

Your volcano should begin to fizz and spurt red 'lava'!

Can you explain why?

Research the chemical reaction between the baking soda and vinegar and share your findings with the class.

