

# Fun with Science



## Elephant Toothpaste



### Things you will need:

- Plastic bottle
- 120ml hydrogen peroxide liquid
- 1tbsp dry yeast
- 3tbsp warm water
- Washing up liquid
- Food colouring
- Small cup
- Funnel

### Instructions:

Pour the hydrogen peroxide into the bottle (get an adult to do this bit for you as it can irritate your eyes). Add some food colouring to the bottle. Add 1tbsp of washing up liquid and then swish the bottle to mix it all up. In your small cup, add the yeast and water together and mix it up for 30 seconds. Then using your funnel pour the yeast mixture into the bottle and watch the foam.

### The science behind it:

When you added the yeast to the hydrogen peroxide it took out all the oxygen. This happened very quickly which caused the oxygen to create lots and lots of tiny bubbles which made it become foam. You may also have noticed that the foam was warm. This is because the reaction was an exothermic reaction which means it created heat as it happened.