





# Hurworth Science Challenges

How many of these can you do at home?

## What You Need:

3 glasses/bowls  
3 or more Gummybears  
Water  
Teaspoon  
sugar



## What to Do:

- 1) Put an equal volume of water in each glass/bowl.
- 2) Into one add two spoons of sugar and stir until it is dissolved.
- 3) Into another add as much sugar as will dissolve.
- 4) Add a Gummybear to each glass and leave for an hour.
- 5) Take out the bears, what has happened to their sizes? Which is biggest?

## What You Need:

**AN ADULT**

A tall glass  
Vinegar  
Baking Powder  
A lit tealight  
candle  
Teaspoon



Take care with the flame, you **MUST** have an adult with you during this experiment.

## What to Do:

- 1) Pour two cm deep of vinegar and two teaspoons of baking powder into the glass.
- 2) Tip the glass half way over the candle, but do not spill any of the liquid or foam.
- 3) What happens to the candle flame?