

Self-inflating balloon

At-home science activity



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You will need:

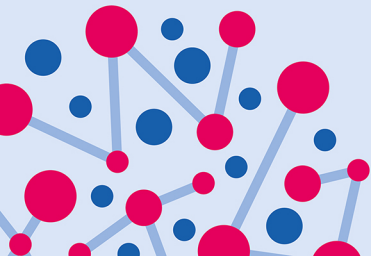
- Clear plastic drinks bottle
- Balloon
- Bicarbonate of soda
- Vinegar



4. Make sure the balloon is fully sealed around the bottle.

5. When ready, lift the balloon so the bicarbonate of soda falls into the vinegar below and observe the reaction that occurs.

6. Want to find out how this happens? Swipe to read more!



- Vinegar is made of a chemical known as acetic acid.
- Bicarbonate of soda is a base, the chemical opposite of an acid.
- When these two types of chemical come together they react to form new materials.
- In this reaction, carbon dioxide gas and water are produced.
- The gas that is produced expands to take up a greater volume than the reactants that created it.
- When these combine with the air in the container, the balloon inflates.

