

Science Transition Task

Science Experiment at Home

Things you need (Apparatus):

Vinegar

Baking soda

Balloon

Empty sauce bottle

Spoon



What to do (Method):

1. Place 4 spoonful's of baking soda into an uninflated balloon.
2. Carefully pour a small amount of vinegar into an empty sauce bottle (about 2 cm depth).
3. Attach the balloon to the open end of the sauce bottle, but do **NOT** let any of the baking soda to go into the bottle.
4. Lift the balloon to empty the baking soda into sauce bottle of vinegar.



5. Watch what happens.

Explanation

The balloon inflates because a **CHEMICAL REACTION** takes place between the baking soda and vinegar produces a gas.

The gas produced is **CARBON DIOXIDE**. This gas is used to make drinks fizzy and is also used in fire extinguishers.



Fact Finding Task:

1. What is 'dry ice'?

2. How is carbon dioxide used in baking?

Which chemical is used to test for carbon dioxide gas?

Links:

<https://www.bbc.co.uk/bitesize/topics/zypsgk7/articles/zw7hdxs>

<https://www.bbc.co.uk/bitesize/topics/zypsgk7/articles/z39rmsg>