

# SCIENCE



## VOCABULARY

Reversible/physical change - a change that can be undone.

Irreversible/chemical change - a change that cannot be undone.

Burning - a special type of chemical change, particularly in fuels.



## LEARN

- Watch the video for the lesson
- Answer the answers to the quiz in your booklets, pausing the video if necessary to give you time to think.
- Check your answers, using the video.



## YOUR TASK

- Choose some (or all) of the suggested experiments to do at home, with an adult's permission and supervision. Note that it is highly recommended to do them outside, as they can get very messy.

### 1) Blowing a Balloon with Baking Soda

**You will need:** a bottle, a balloon, vinegar and baking soda.

**Method:** First, fill your bottle with a little bit of vinegar. Then, put some baking soda inside your balloon and attach it gently on the bottle neck. Finally, pour the baking soda and observe the chemical reaction.

### 2) Coca Cola and Mentos Volcano (very messy!)

**You will need:** a bottle of Coke, a pack of mint mentos

**Method:** Quickly put as many mentos as you can in the coke bottle and step back to avoid being splashed.

### 3) Jelly Foam

**You will need:** gummy bears, lemon juice, a glass, a large plate and a spoon.

**Method:** Firstly, put some gummy bears in the glass. Secondly, add some lemon juice. Thirdly, put the glass in the microwave for 20 seconds. Then, place the glass on the large plate and finally, pour a spoonful of baking soda and mix well.