

Activity

5C

Fizzing Lemon

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Skills:

Do practical work safely, use science to help me support my points of view

Materials:

Lemon
Small knife
Tray

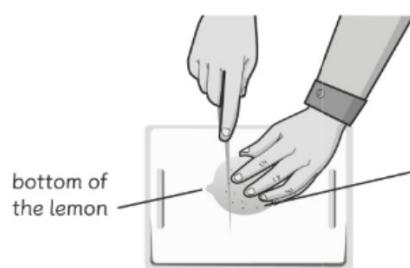
Ice cream stick
Teaspoon

Baking soda
Food colouring (optional)

Method

- 1 Cut the top off a lemon to expose the inside.
- 2 Cut a thin slice off the bottom of the lemon so that it can sit flat. Make sure you do not cut into the flesh of the lemon.

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bottom of the lemon

cut end of the top of the lemon

- 3 Place the lemon on a tray.
- 4 Use the ice cream stick to mash the centre of the lemon to bring out the juice.

Get an adult to help you with steps 1 and 2. You may get hurt when using a knife if you are not careful.



- 5 Add a spoonful of baking soda into the lemon.

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- 6 What do you observe when you add baking soda to the lemon?

Fizzing is seen and bubbles are formed.

- 7 A gas is given out when you mix the baking soda and the lemon.

What type of change, physical or chemical, has taken place?
Explain your answer.

A chemical reaction took place because a gas is produced.