

Lemon juice reactions

This task is about changes to substances when you add lemon juice to them.

A physical change is reversible - it is a temporary change. A chemical change cannot be reversed - it is permanent.

Rahera was doing some science in the kitchen. She squeezed the juice from two lemons and divided it equally into two glasses.

She put a teaspoon of baking soda (sodium hydrogen carbonate) into one glass.

She put a teaspoon of salt (sodium chloride) into the other glass.

In the glass with baking soda there was lots of fizzing – in fact the foam spilled over the rim of the glass! What type of change occurred?

Physical change

Chemical change

Explain your decision.

In the glass with salt, the salt seemed to disappear.

What type of change occurred?

Physical change

Chemical change

Explain your decision.