

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.

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