



# Irreversible Changes



## Mixing Milk and Vinegar.

What do you observe? Describe what you see with words and diagrams.

What are the new materials that have been created? How are they useful? Use the key words below to write your explanation.

This \_\_\_\_\_ reaction has created a form of plastic called \_\_\_\_\_ plastic. Casein plastic was quite common from the early 1900s until about \_\_\_\_\_. It was used to make \_\_\_\_\_, buckles, beads and other jewellery, fountain pens, \_\_\_\_\_ and brushes.

casein	combs	chemical	buttons	1945
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## Mixing Bicarbonate of Soda and Vinegar.

What do you observe? Describe what you see with words and diagrams.

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This chemical change creates a new \_\_\_\_\_ carbon dioxide. It is this \_\_\_\_\_ that causes the bubbles in the froth that you can see, and it \_\_\_\_\_ out to blow up the balloon.

Carbon dioxide is a \_\_\_\_\_ gas. It is dissolved in liquid to create \_\_\_\_\_ drinks, it is used to \_\_\_\_\_ food on aeroplanes and trains, and it is used in fire extinguishers to put out \_\_\_\_\_.

carbon dioxide	spreads	gas	material	fires	useful	cool	fizzy
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