

Irreversible Change Investigation

The fizzing reaction

An **irreversible change** makes a brand-new substance and can't be undone. Look for the four signs: a **gas** produced, a **colour change**, **heat or light**, or a **new material**.

Goggles on for the reaction. Keep quantities small and in the tray. Do not taste anything.

1. List the **signs of chemical change** you observed when bicarb soda met vinegar.

2. Explain why this reaction **cannot** be undone.

Sort the changes (exit ticket)

Sort these four changes. For each one, tick reversible or irreversible and give a reason.
Ask yourself: *has a new substance been made?*

Change	Reversible or irreversible?	My reason
Melting ice		
Burning wood		
Dissolving salt		
Rusting nail		