

Irreversible Changes and Chemistry

materials

What you need: baking soda (bicarbonate of soda) · white vinegar · small clear plastic bottle or sturdy clear cup · balloon · plastic tray · teaspoon or small scoop · iron nails (clean) · clear jars or containers with lids · cooking oil · tap water in a jug

Words to use

Irreversible change · New material · Chemistry

Our question

When baking soda and vinegar mix, is a new material made, and can the change be undone?

I predict – the balloon will...because...

I predict – the nail that changes most will be the one in (dry air / water / oil) because...

Straight after the fizz: two quick notes or a tiny sketch of what I saw, heard or felt

My conclusion: was a new material made, and is the fizzing change reversible or irreversible?

How our three nails were set up

Nail	Where it is	Day 1 look	Later check (date and what I see)
Dry air			
Water			
Oil			