PHYSICAL AND CHEMICAL CHANGES

PHYSICAL SCIENCE

What each part does

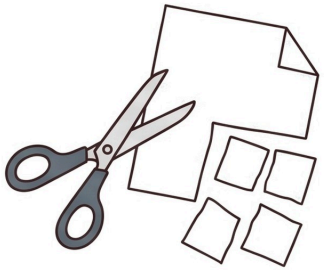
In a physical change, matter changes its size, shape or state but stays the same substance. In a chemical change, atoms rearrange to make new substances with new properties.

Physical changes: still the same substance



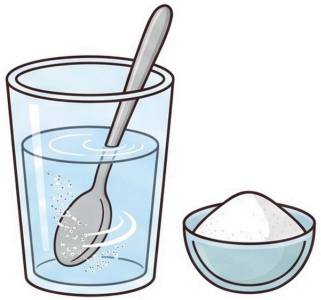
Melting

Ice turns to liquid water. Still water.



Cutting

New size and shape. Still paper.



Dissolving

Sugar spreads out in water. Still sugar.



Boiling

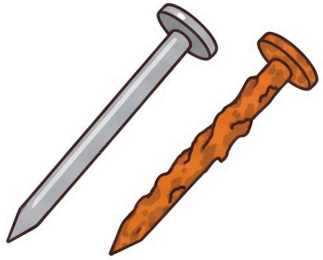
Liquid water turns to gas. Still water.

Chemical changes: new substances form



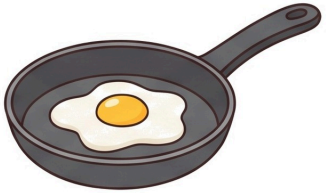
Burning

Makes ash, smoke and gases. Heat and light.



Rusting

Iron turns into rust. Color change.



Cooking

Runny egg turns firm and white. Proteins change.



Fizzing

Makes a new gas: bubbles of carbon dioxide.