

# Science - Year 5 – Unit 3 – What can we explain about the properties of materials and how they change?

## What I need to know by the end of this unit:

- Materials can be grouped according to their properties.
- Some materials will dissolve in liquid to form a solution.
- A substance can be recovered from a solution.
- Mixtures can be separated through filtering, sieving and evaporating.
- Everyday materials can be used for specific purposes.
- Dissolving, mixing and changes of state are reversible changes.
- Some changes result in the formation of new materials and this kind of change is not usually reversible.

## Vocabulary Focus:

**substance** – any material that possesses physical properties.

**solution** – the process in which one solution evenly spreads through another.

**properties** – features that can separate one material from another.

**reversible** – able to be reversed or turned the other way around so that the previous state can be restored.

**irreversible** – impossible to reverse, turn back or change.

**soluble** – able to be dissolved.

**What can you add to the table on the right based on your learning? In which box would the pictured changes be placed?**

## Reversible Changes



## Irreversible Changes

