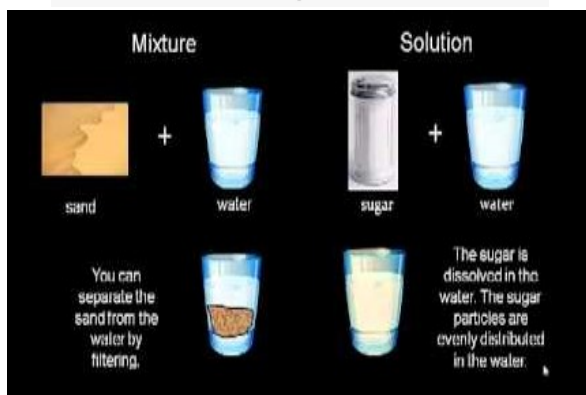
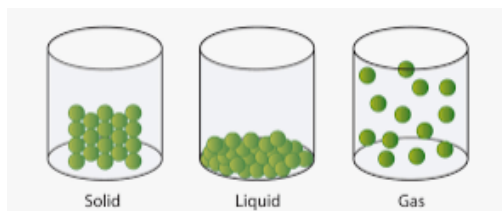


Our learning

In our science lessons this term, we are learning about **properties** and changes of **materials**. This is part of our **chemistry** work in science.

We will be considering the **cause and effect** of certain **processes** on different materials.

We will learning that some **changes of state** can be reversed whilst others cannot.



Information

There are three '**states**' a material can exist in. A **solid**, a **liquid** or a **gas**.

Some changes between states are reversible but others are not.

Some materials will dissolve in a liquid to form a solution and some materials are insoluble.

Dissolving is not a material disappearing although it can look like that.

Sieving and **evaporation** can be used to **separate** mixtures.

Some **materials** are **magnetic**, for example iron.

As a scientist I will...

- Plan my science work carefully and use **fair tests**.
- Use **scientific language** to explain my ideas.

Vocabulary

Soluble— something that will dissolve into liquid.

Magnetic—An object which is capable of producing a magnetic field.

Dissolve— when a substance seems to disappear into a liquid.

Solution— where one substance dissolves into another.

Evaporation—the process by which a liquid turns into a gas

Reversible change—when materials can be changed back to how they were before the reaction took place

Irreversible change—if it cannot be changed back again.

Fair test—A fair test is a controlled Investigation carried out to answer a scientific question.

