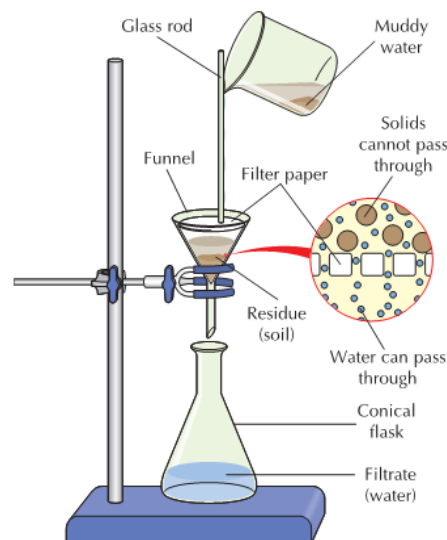


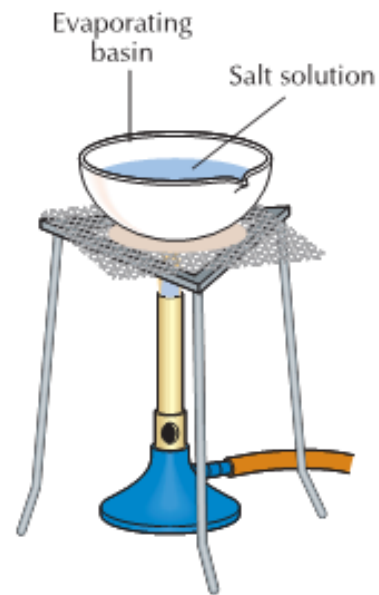
Separating Mixtures

1. To separate sand and water we can use **Filtration**. We use filter paper to catch the sand. This is called the **Residue**. The water that passes through is called the **Filtrate**.



2. Evaporation

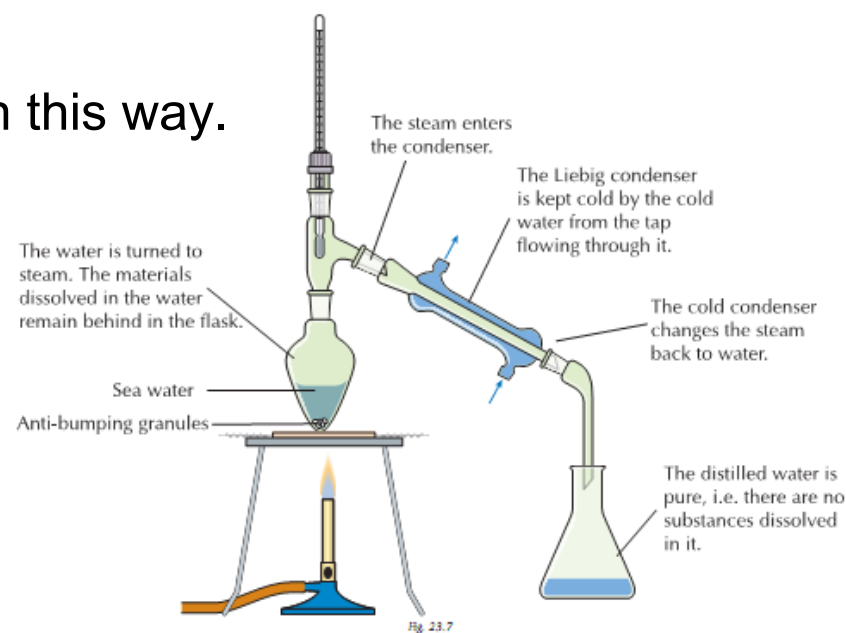
We can separate salt and water by evaporation.
The water is lost and the salt is kept.



3. Distillation

In distillation we separate salt and water by **evaporation** but we catch the water. This is done by using a special tube called a **Liebig Condenser**.

Alcohol is purified and distilled in this way.



4. Chromatography

Is used to separate substances that are **isolution**.

The dissolved substances separate out on special paper called **Chromatography** paper.

How it Works

The water **carries** the dyes up the paper. The more soluble the dye, the further it moves up.

Uses

Art - people checking for fake art can test the paint to see how old it is.

Food Colouring - can be tested to see if it is a legal chemical.

