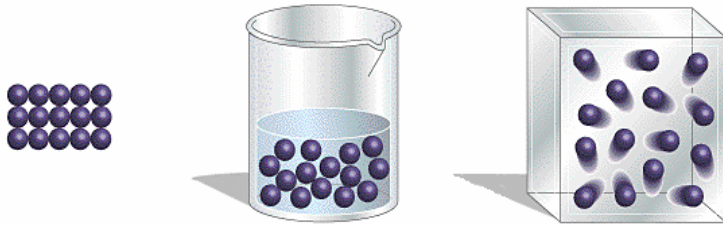


Solids and Liquids Fact Sheet

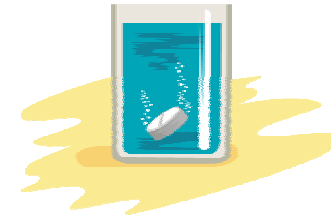
The three **states of matter** are **solid**, **liquid** and **gas**



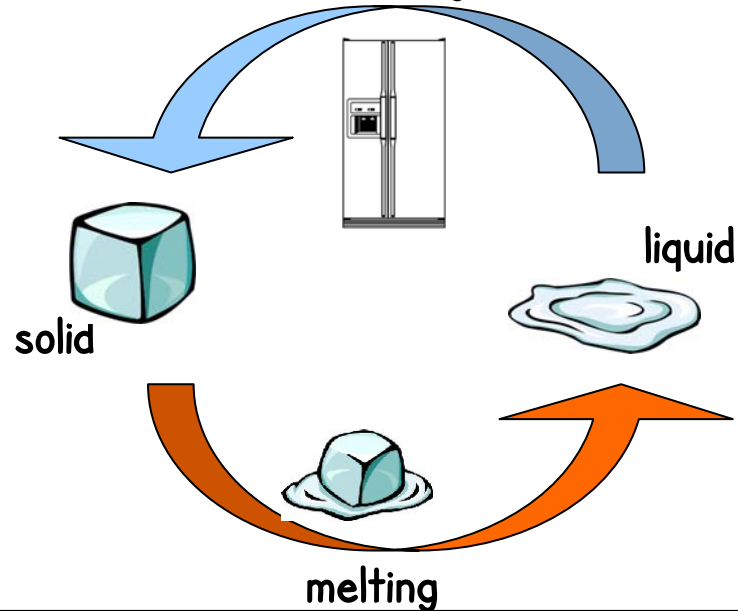
We can use a **sieve** to separate larger solid particles (e.g. pasta shapes, rice) from a **mixture**. This process is called **sieving**.



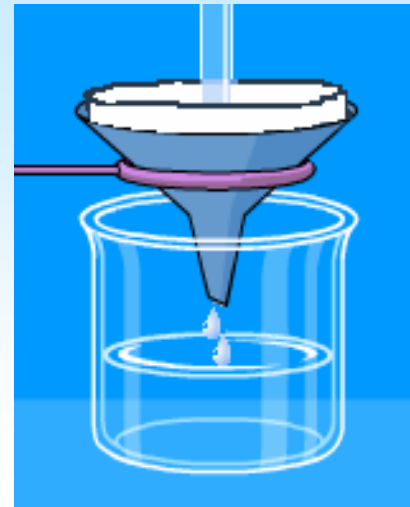
This tablet is **soluble**, and is **dissolving** in water. When it is completely dissolved it leaves a clear **solution**.



freezing



We can use a **filter** to separate fine solid particles (e.g. sand) from a liquid. This filter is made of a **funnel** and a cone of **filter paper**. The process is called **filtration**.



Solids and Liquids Glossary

dissolve - when a solid becomes part of a liquid

filter - to separate fine solid particles from a liquid

freeze - to change from a liquid into a solid

gas - one of the three states of matter. Gases fill all available space. Water vapour is a gas.

liquid - one of the three states of matter. Liquids pour and take on the shape of the container.

melt - to change from a solid into a liquid

powder - a solid made up of very small particles

sieve - to separate coarse solid particles from a liquid

solid - one of the three states of matter. Solids keep their shape. Ice is the solid state of water.

soluble - when a solid dissolves in water it is said to be soluble - opposite - **insoluble**

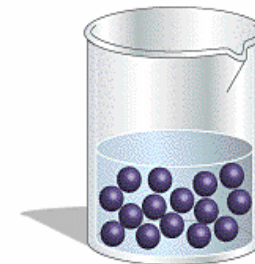
solution - a liquid that has a solid dissolved in it

state - All matter exists in one of three states - **solid, liquid and gas**

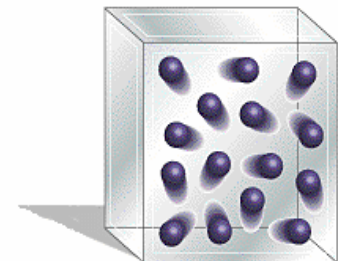
suspension - a liquid containing tiny particles of solid that mix with the liquid but do not dissolve



solid



liquid



gas