

Vocabulary		
1	Matter	Any solid, liquid or gas that exists in the universe.
2	Particle	An extremely small unit of matter.
3	Solid	A substance that holds its shape. It is rigid and has a fixed volume.
4	Liquid	A substance that can flow and take on the shape of a container because they do not hold their shape. However, they have a fixed volume.
5	Gas	A substance that has no fixed shape and is not rigid like oxygen.
6	Temperature	How hot or cold something is, normally measured in degrees Celsius (°C).
7	Evaporation	The process of liquid heating and changing into a gas.
8	Condensation	The process of a gas cooling and changing into a liquid.
9	Water cycle	The process of water being recycled over and over again
10	Precipitation	Product of the condensation of water vapour that falls under gravity-drizzle, rain, sleet and snow.
11	Changing State	The process of change from one state of matter to another - this is a reversible change.
12	Melting	Changing from a solid into a liquid.
13	Freezing	Changing from a liquid into a solid.

The Water Cycle

Changing states of matter play an important part in the water cycle:

EVAPORATION

Energy from the sun heats up the surface of the Earth. This causes the temperature in rivers, lakes and oceans to rise, and evaporate into the air.

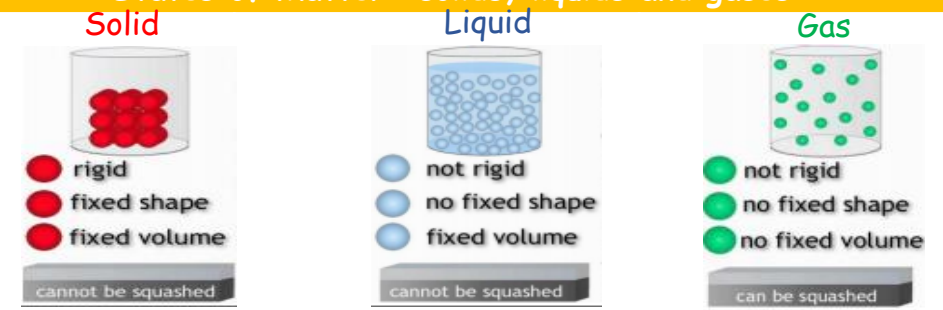
CONDENSATION

As the water vapour rises, it cools in the higher air and turns back into liquid - condensation. This creates clouds.

PRECIPITATION

When too much water has condensed, the clouds become too big for air to hold them. Precipitation occurs.

States of Matter- solids, liquids and gases



Changing State

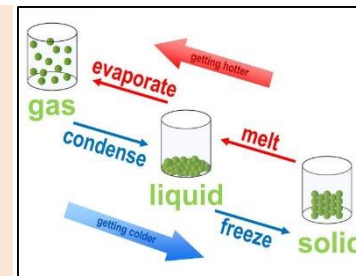
States of matter can change, depending upon temperature.

Melting-the process of changing a solid into a liquid.

Evaporation-the process of changing a liquid into a gas.

Condensation-the process of changing a gas into a liquid.

Freezing-the process of turning a liquid into a solid.



Everyday examples

Evaporation: washing drying, water boiling, puddles evaporating on a hot day.

Condensation: water droplets forming on windows or on a cold glass.

