

Changing States

Freezing changes a liquid to a solid.



Melting changes a solid to a liquid.



Boiling changes a liquid to a gas.



Evaporation also changes a liquid to a gas BUT this happens slowly at lower temperatures.



Condensation is the change back from a gas to a liquid by cooling.



Key Learning:

The three main States of Matter are:

Solids, liquids and gases.

A **solid** keeps its shape and has a fixed volume.

A **liquid** has a fixed volume but changes in shape to fit the container. A liquid can be poured and keeps a level, horizontal surface.

A **gas** fills all available space; it has no fixed shape or volume.

Topic Mat

LKS2

States of matter

Remember:

Granular and powdery solids like sand can be confused with liquids because they can be poured, but when poured they form a heap and they do not keep a level surface when tipped. Each individual grain demonstrates the properties of a solid.

Vocabulary: Solid, liquid, gas, state change, melting, freezing, melting point, boiling point, evaporation, temperature, water cycle