#### **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:

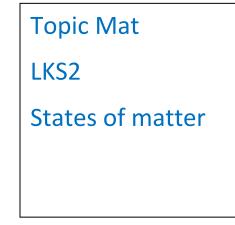
The three main States of Matter are:

## 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.



## 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