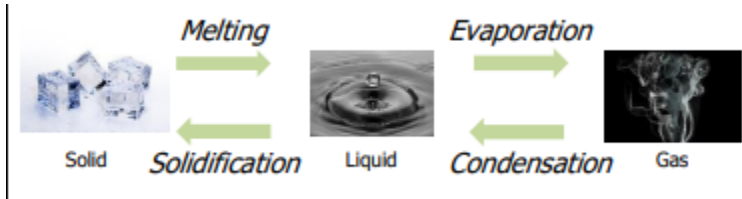
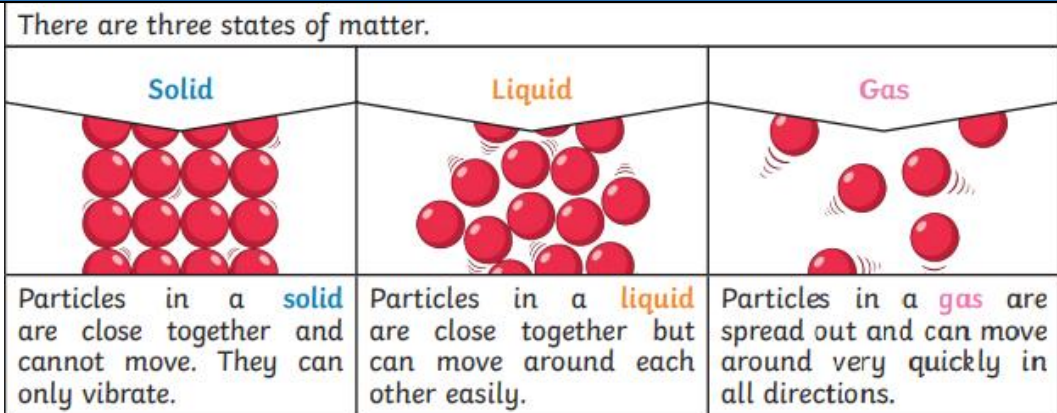




Key Facts **Diagram/Investigations**

- When solids turn into liquids, this is called melting and the reverse process is called freezing
- When liquids turn into gases, this is called evaporation and the reverse process is called condensation
- When a solid turns into a gas without passing through the liquid state, this is called sublimation

Property	State of Matter		
	Solid	Liquid	Gas
Shape	Fixed	No fixed shape	No fixed shape
Volume	Fixed	Fixed	No fixed volume
Ability to squash/compress	Can't be compressed	Can't be compressed	Can be compressed
Ability to pour and flow	Can't be poured and it doesn't flow	Can be poured and it does flow	Can be poured and it does flow



Key Learning:

- To sort and describe materials.
- To investigate gases and explain their properties.
- To investigate materials as they change state.
- To explore how water changes state.
- To investigate how water evaporates.
- To identify and describe the different stages of the water cycle

Prior Learning:

- Year 1 - describe the simple physical properties of a variety of everyday materials
- Year 2- find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Subject Specific Vocabulary

Key word	Definition
bond	joined securely to something else
condensation	turn a gas into a liquid.
evaporation	turn a liquid into a gas
boiling point	the temperature at which a liquid boils and turns to vapour
melting point	the temperature at which a given solid will melt
particle	one of the very small parts of matter: a very small quantity or piece
states of matter	materials can be one of three states: solids, liquids or gases. Some materials can change from one state to another and back again.
Solid	a substance which is firm and stable and has 3 dimensions
liquid	a substance that flows freely but is of constant volume
gas	a substance which will expand freely to fill a whole container and has no fixed shape or volume
thermometer	an instrument for measuring and indicating temperature
sublimation	When a substance changes from a solid to a gas, without going through the liquid change