

Knowledge Organiser – States of Matter (Science Year 4)

Matter usually exists in one of three states:

Key Vocabulary	Definition
Solid	A substance that has a fixed shape and volume.
Liquid	A substance that flows freely and takes the shape of the container.
Gas	A substance that has no fixed shape and is free to fill any space.
Changing state	Moving from one state to another.
Melting point	Temperature at which a given solid will melt.
Boiling point	Temperature when a liquid turns to a gas.
Water cycle	Way that water moves between being water vapor to liquid water and then back to water vapor.



Solid

Has fixed shape and volume



Liquid

Takes shape of container
Forms horizontal surface
Has fixed volume



Gas

Expands to fill container



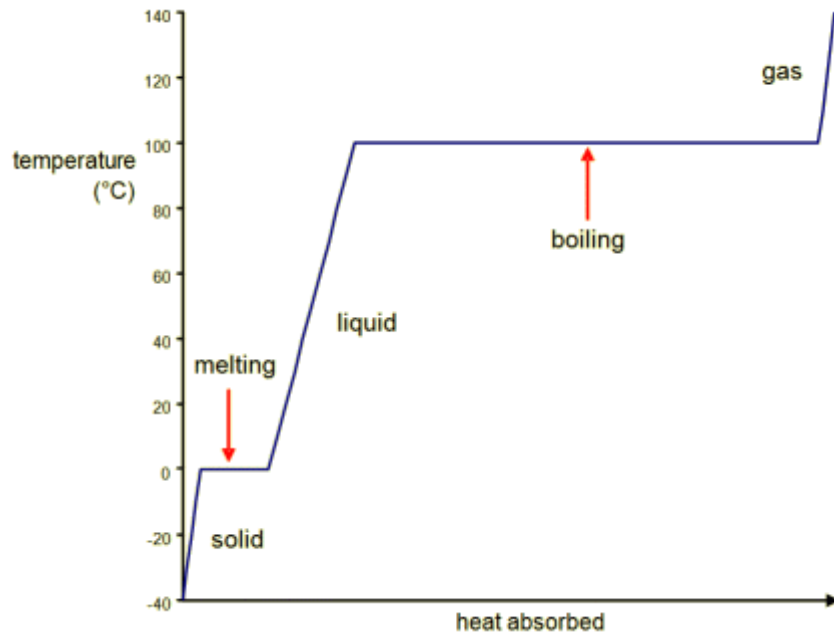
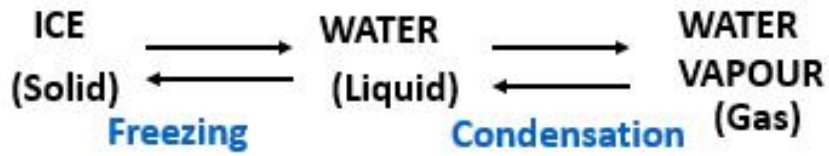
Changing States of Water



Melting



Evaporation



Water Cycle

