STATES OF MATTER KNOWLEDGE ORGANISER



- -Matter makes up our planet and the whole
- -There are three main states of matter solids,
- Matter can change state, depending on its

-Several processes describe the processes of

changing states, e.g. melting, evaporation, freezing and condensation.

-The water cycle depends upon some of these





States of matter can change, depending upon the temperature of the matter.

Melting is the process of changing a solid into a

Evaporation is the process of changing a liquid into

Condensation is the process of changing a gas into a

Freezing is the process of turning a liquid into a

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

EVAPORATION

Energy from the sur 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.

	Gases	
le	Air	Oxygen