

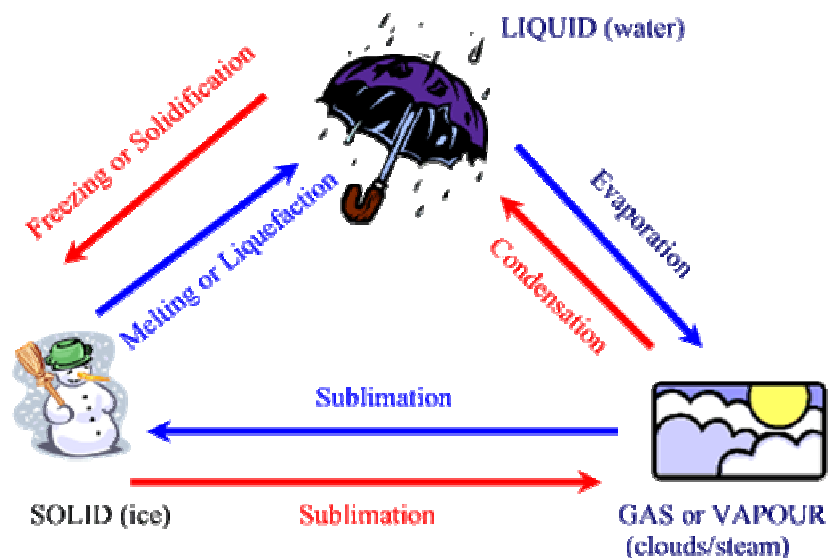
CHANGES OF STATE.

We are going to explain the **CHANGES OF STATE**.

Remember a substance change when we **HEAT** or **COOL** it (Write every word in capital letters on the board and explain their meanings, please).

- WHAT HAPPENS when we cool liquid water? It **BECOMES** solid (ice)
- What happens when we heat water? It becomes gas (water vapour).
- What happens when we cool a gas? It becomes liquid.
- What happens when we heat a solid?
- And so on.

Then you can show the names of the different changes of state. Practise the pronunciation and wait two minutes for them to copy this graph:



The state of a substance can change when the temperature changes. For example if you heat liquid water it becomes gas and if you cool liquid water it becomes solid ice. Draw some arrow and label them using these words: melting, boiling, condensation, freezing.

Can you ask some questions to check if they have understood the previous words?

- What's the name of the change from solid to liquid?
- And from gas to liquid?
- What happens to the liquid water if it is warmed up?
- And if you cool it? How is called that process?
- What is the boiling?
- What is the condensation?