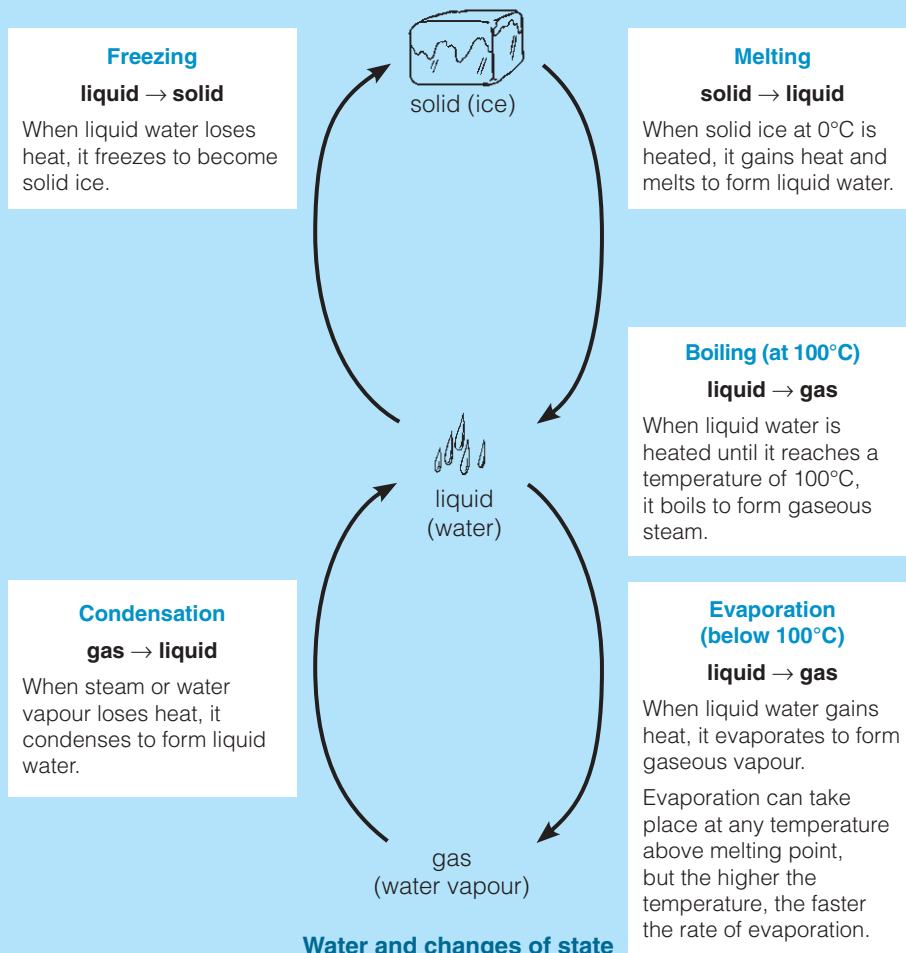


Water and Changes of State

- Water can exist in three interchangeable states – **solid (ice)**, **liquid (water)** and **gas (water vapour)**.
- Heat can be gained or lost when water changes its state.
- **Freezing** involves **heat loss from a liquid to a solid state**.
- **Condensation** involves **heat loss from a gaseous to a liquid state**.
- **Melting** involves **heat gain from a solid to a liquid state**.
- **Boiling** involves **heat gain from a liquid to a gaseous state**.
- **Evaporation** involves **heat gain from a liquid to a gaseous state**.
- The **factors affecting the rate of evaporation** are **temperature**, **wind**, **exposed surface area** and **humidity**.



Adapted:

Science Partner Upper Block 5/6

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