



THREE FORMS OF WATER

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Water Circulates in Three Forms on Earth



SOLID



LIQUID



GAS

EXAMPLES

Solid Form Of Water



Ice Cube



Hail



Snow

EXAMPLES

Liquid Form Of Water

Lake



Ocean



Rain



Dew



EXAMPLES

GAS FORM OF WATER

Water Vapour



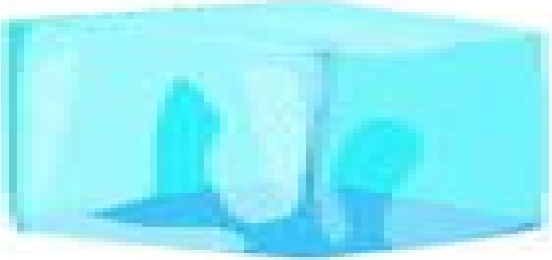
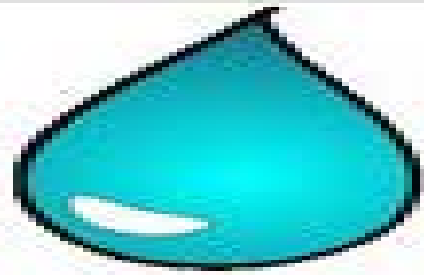
Steam



Air around us



Forms of a Matter

Matter: Everything that is around you.		
		

solid

- rigid
- fixed shape
- fixed volume

liquid

- not rigid
- no fixed shape
- fixed volume

gas

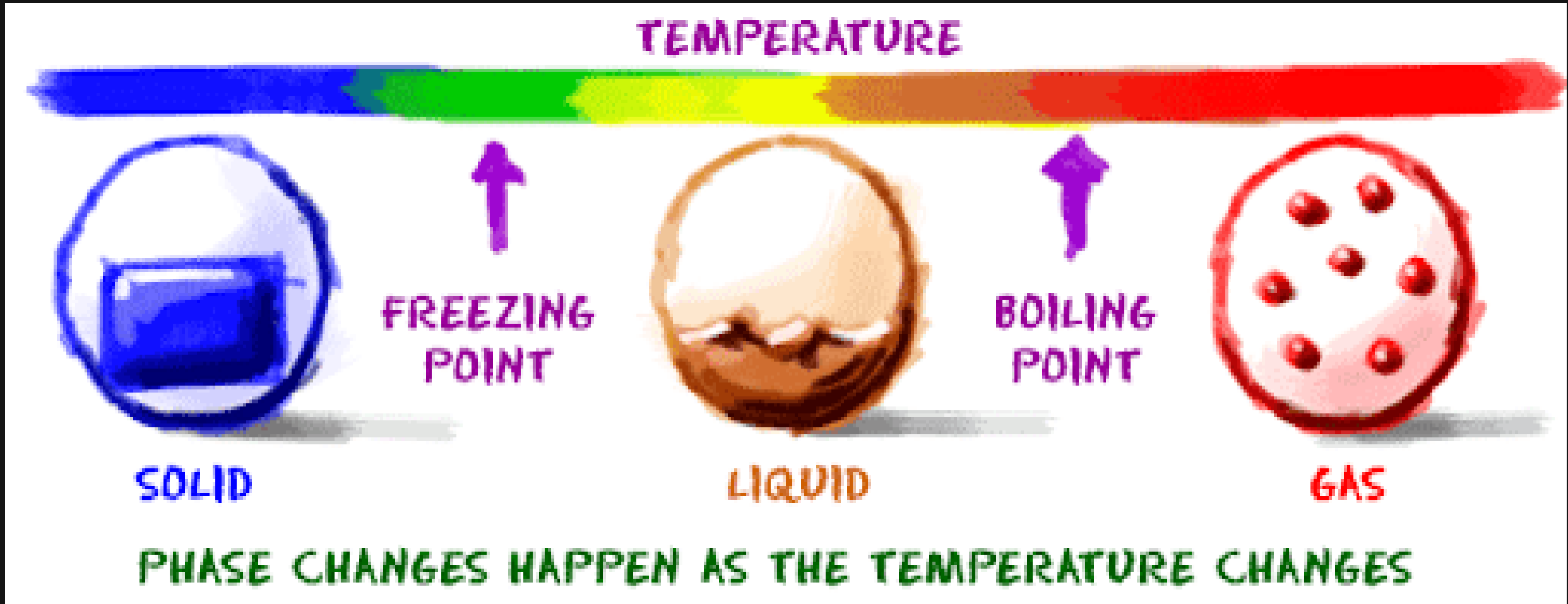
- not rigid
- no fixed shape
- no fixed volume

Water in Three Forms

- **Solids:** When water becomes very cold and freezes it will change from a liquid to a solid. It has a definite form and shape.
- **Liquids:** When water takes the shape of its container it is in a liquid form.
- **Gases:** When water is seen in a vapor form and has no definite size or shape it is in a gas form.



Change of State / Form of Water



Change of State / Form of Water

Heat can make things change



+



=



Ice

Heat

Water



+



=



Water

Heat

Steam

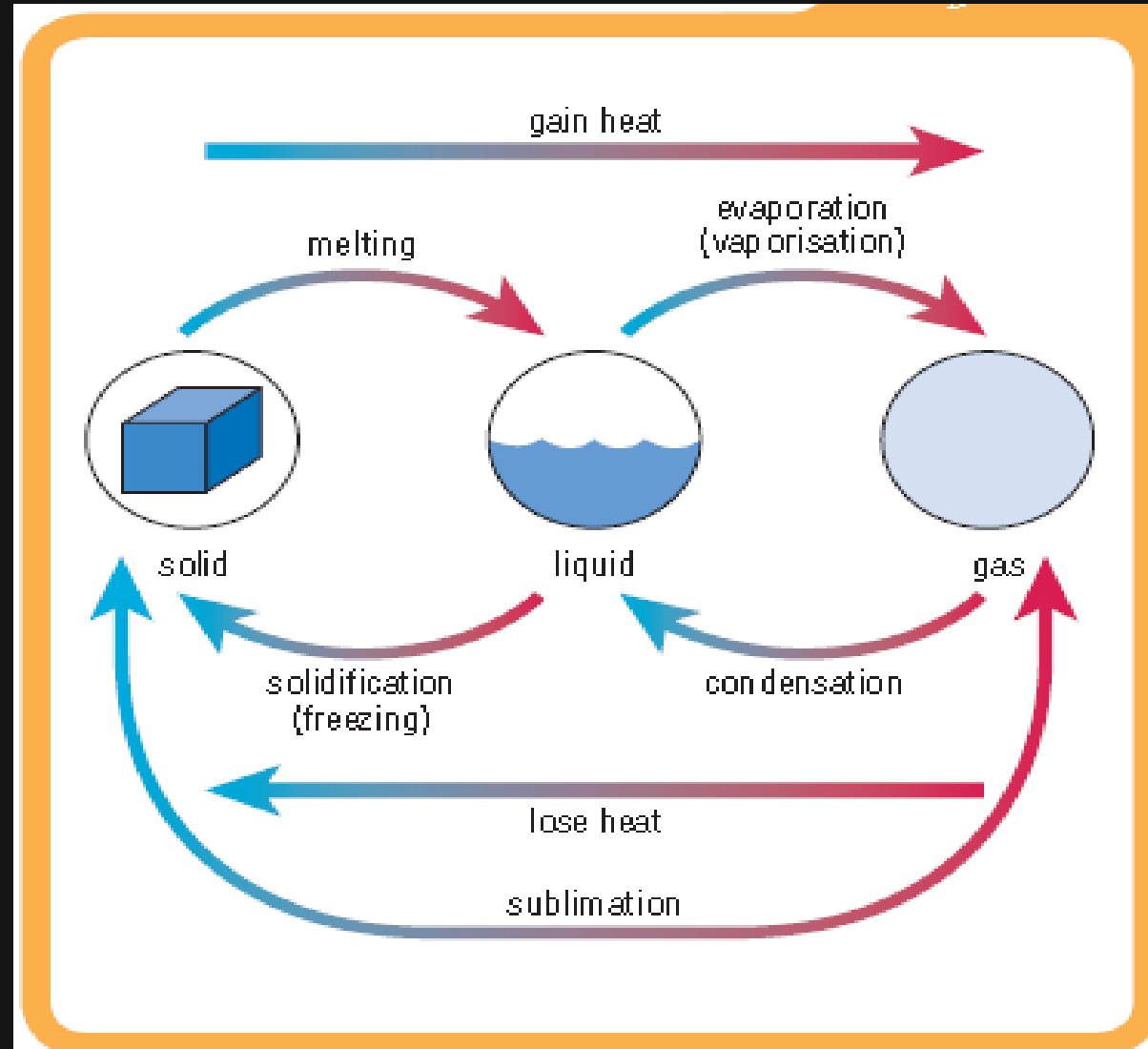
Important Terms

Ice → Water

Melting

Water → Ice

Freezing



Water → Vapour

Evaporation

Vapour → Water

Condensation

Important Terms

Ice → Water

Melting



Melting is the process in which a substance changes from **solid to liquid** form on heating.

Example:

Ice **melts** to liquid water.

Water → Ice

Freezing



Freezing is the process in which a substance changes from **liquid to solid** form when the temperature becomes sufficiently cold.

Example:

On freezing water turns into ice.

Important Terms

Evaporation is the process in which a substance changes from **liquid into vapour** form.

Example:

Water when heated turns into water vapour



Water → Vapour

Evaporation

Condensation is the process in which a substance changes from **water vapour or gas to a liquid** form.

Example:

Morning dew, when water vapour in the air condenses on the grasses cooled during the night.



Vapour → Water

Condensation

Thank You

