

CBSE 7 Chemistry Revision Notes

Water is A Precious Resource

- Water is one of the most precious resource on Earth and is necessary for all living beings.
- We use water for different purposes like drinking, cooking, bathing, washing and many more activities.
- Pure water is colorless, odorless and tasteless.

Properties of water

Molecular Formula: H_2O

Molecular weight: 18

Cavendish concluded ratio of hydrogen and oxygen is 2:1

Appearance

- Colorless, odorless and tasteless.

State

- Exists in all three states: solid, liquid and gas

Boiling point

- 100°C at 760 mm. pressure

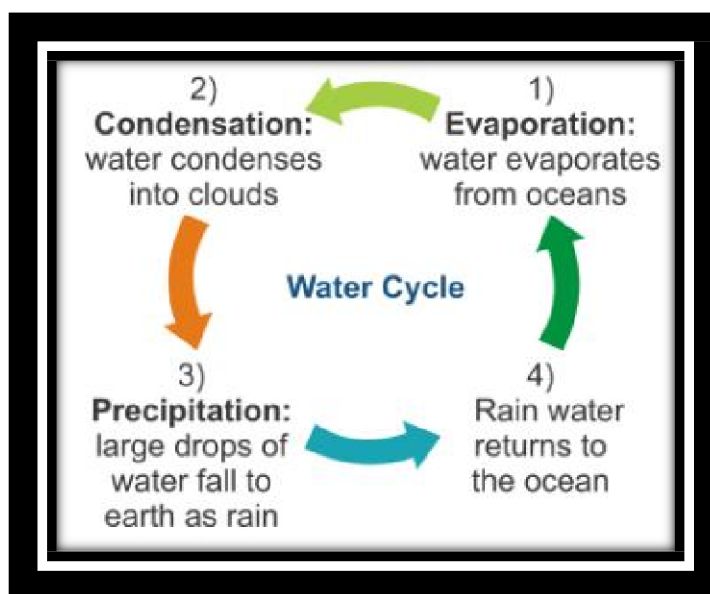
Melting point

- 0°C at 760 mm. pressure

Conductivity

- Water is poor conductor of heat and electricity

Water Cycle



Cloud formation:

- When the air moves up, it gets cooler and cooler.
- At sufficient heights, the air becomes so cool that the water vapor present in it condenses to form tiny drops of water called **droplets**.
- It is these tiny droplets that remain floating in air and appear to us as clouds.