

## 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:  $\text{H}_2\text{O}$

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

- $100^\circ\text{C}$  at 760 mm. pressure

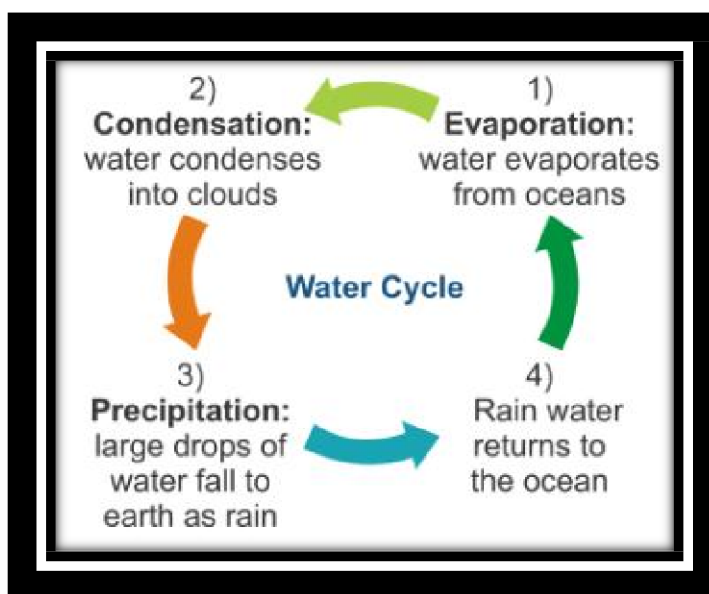
#### Melting point

- $0^\circ\text{C}$  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.