

CBSE 7 Chemistry Revision Notes

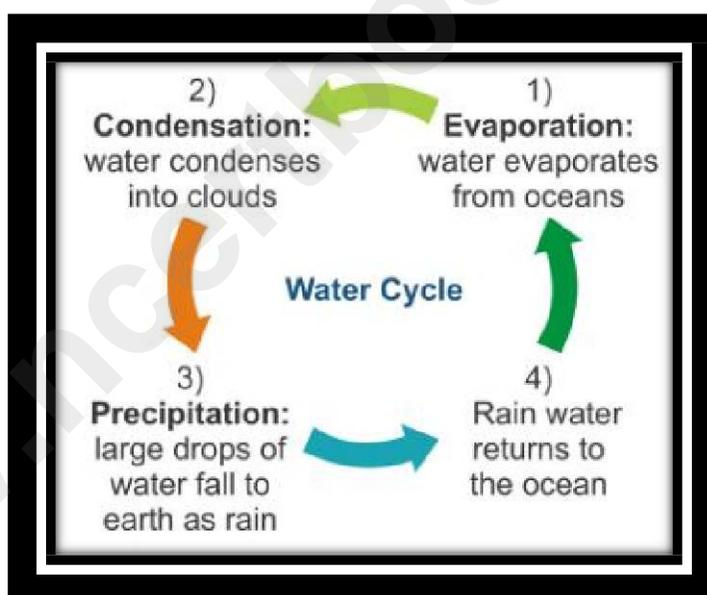
Water is A Precious Resource

- 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

<p>Molecular Formula: H_2O</p> <p>Molecular weight: 18</p> <p>Cavendish concluded ratio of hydrogen and oxygen is 2:1</p> <p>Appearance</p> <ul style="list-style-type: none">• Colorless, odorless and tasteless. <p>State</p> <ul style="list-style-type: none">• Exists in all three states: solid, liquid and gas	<p>Boiling point</p> <ul style="list-style-type: none">• $100^{\circ}C$ at 760 mm. pressure <p>Melting point</p> <ul style="list-style-type: none">• $0^{\circ}C$ at 760 mm. pressure <p>Conductivity</p> <ul style="list-style-type: none">• Water is poor conductor of heat and electricity
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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.