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Class - 10

Chapter - 2

ACIDS, BASES AND SALTS

Part-7

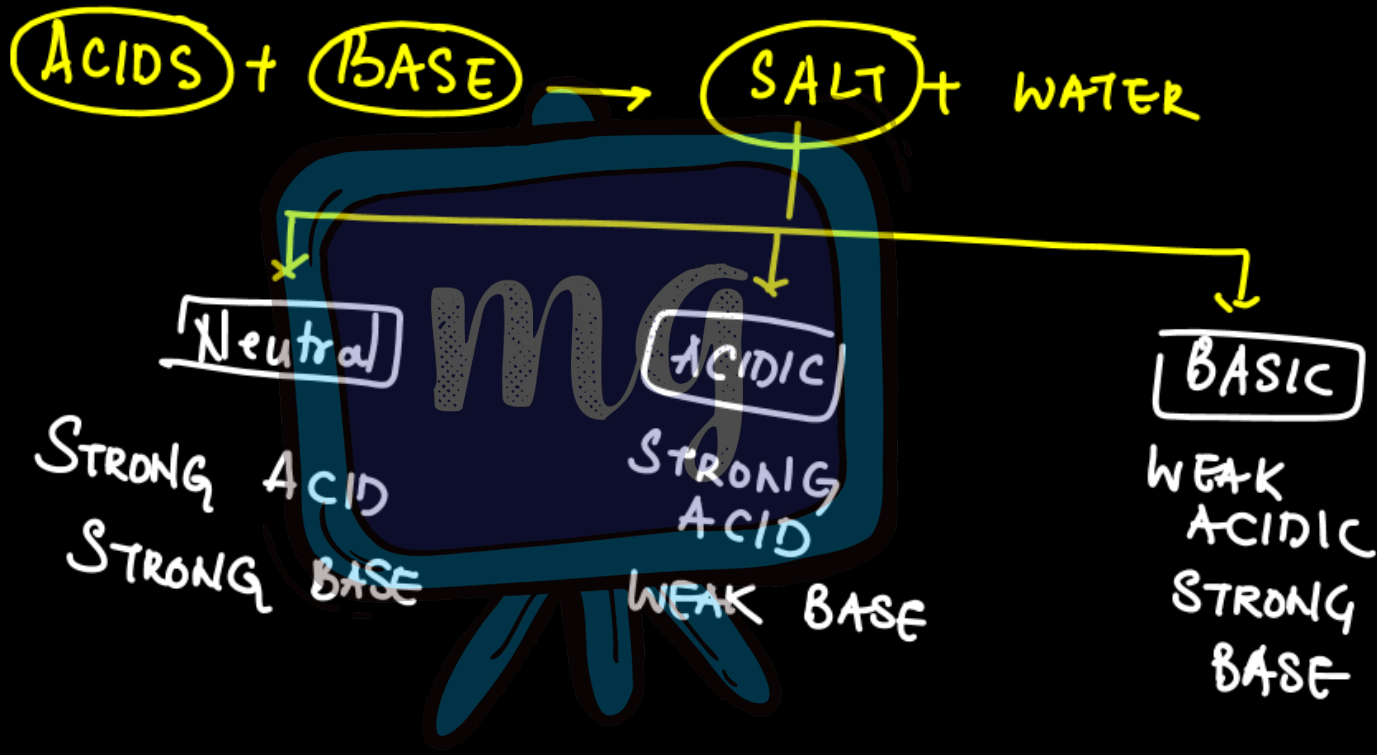
Some Important Salts - 1



Disha Didi (DD)

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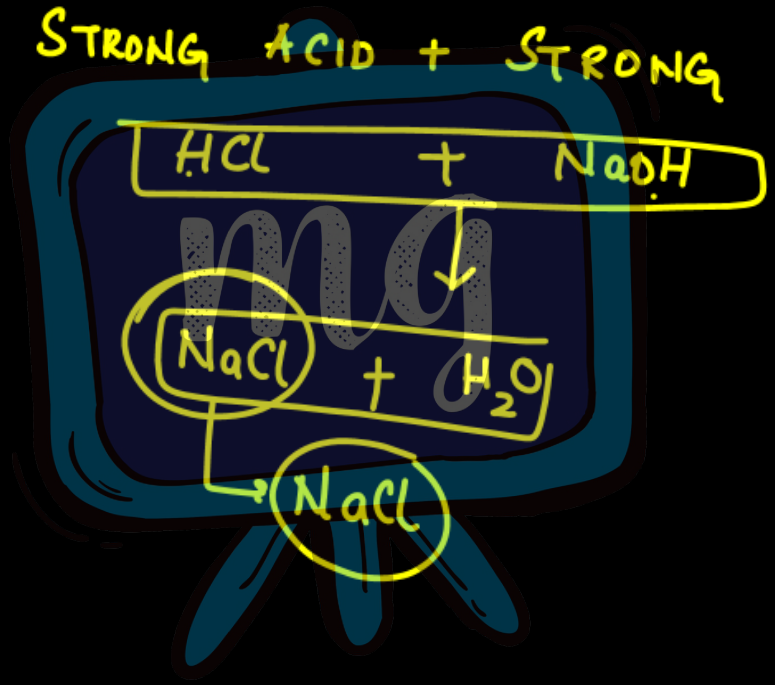


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NEUTRAL :

STRONG ACID + STRONG BASE



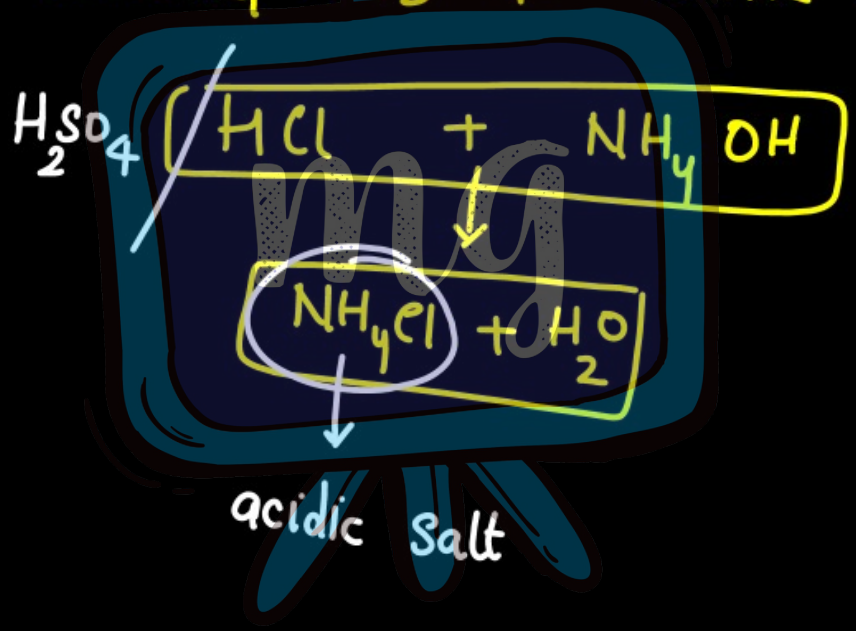
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ACIDIC :

$H_2SO_4 + NH_4OH \longrightarrow ?$

STRONG ACID + WEAK BASE



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$H_2SO_4 + NH_4OH \longrightarrow ?$

BASIC :

WEAK ACID + STRONG BASE

CH_3COO^- H^+ OH^-

$CH_3COOH + NaOH \longrightarrow CH_3COONa + H_2O$

Sodium Acetate

$H_2CO_3 + NaOH \longrightarrow Na_2CO_3 + H_2O$

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SALT

1. Crystalline form
2. Usually most salts are soluble in H_2O
3. Salts → Conduct electricity

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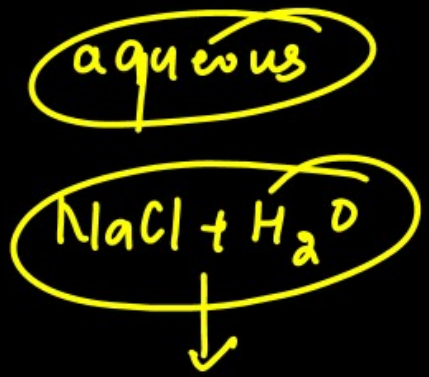
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Some Important Salts

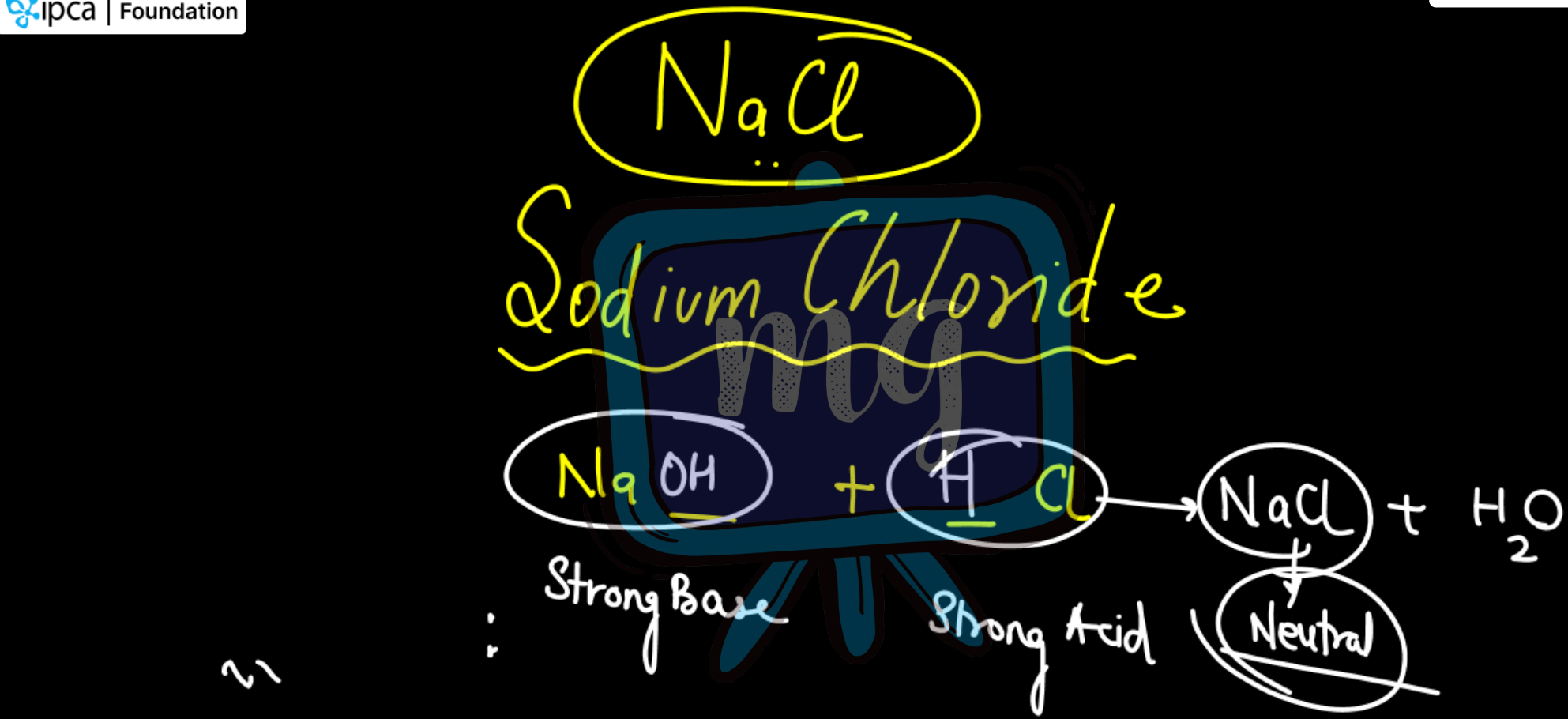


General Property —

- Mostly crystalline solid.
- Mostly soluble in water.
- Solution of salt can conducts electricity and in their molten state also.

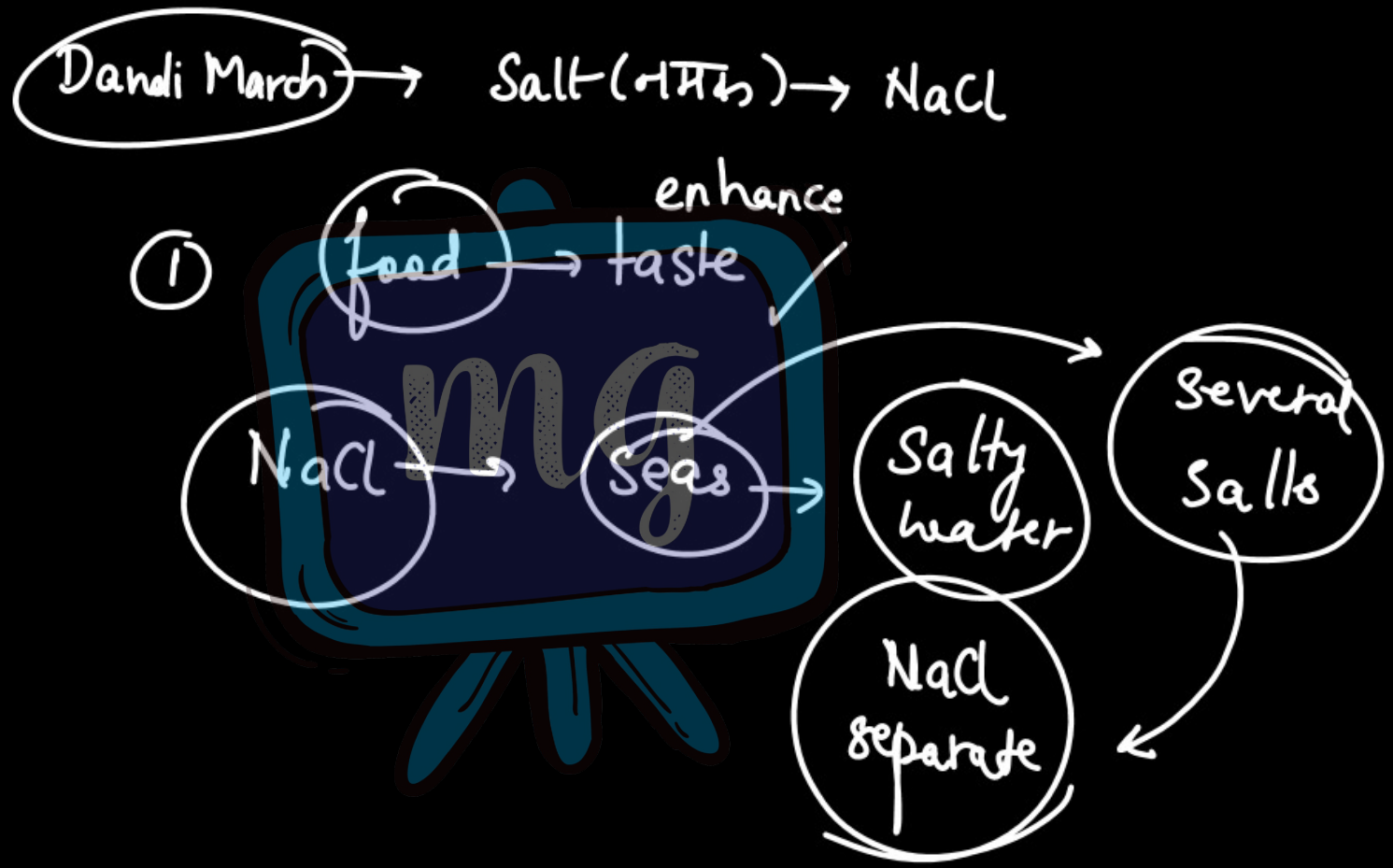
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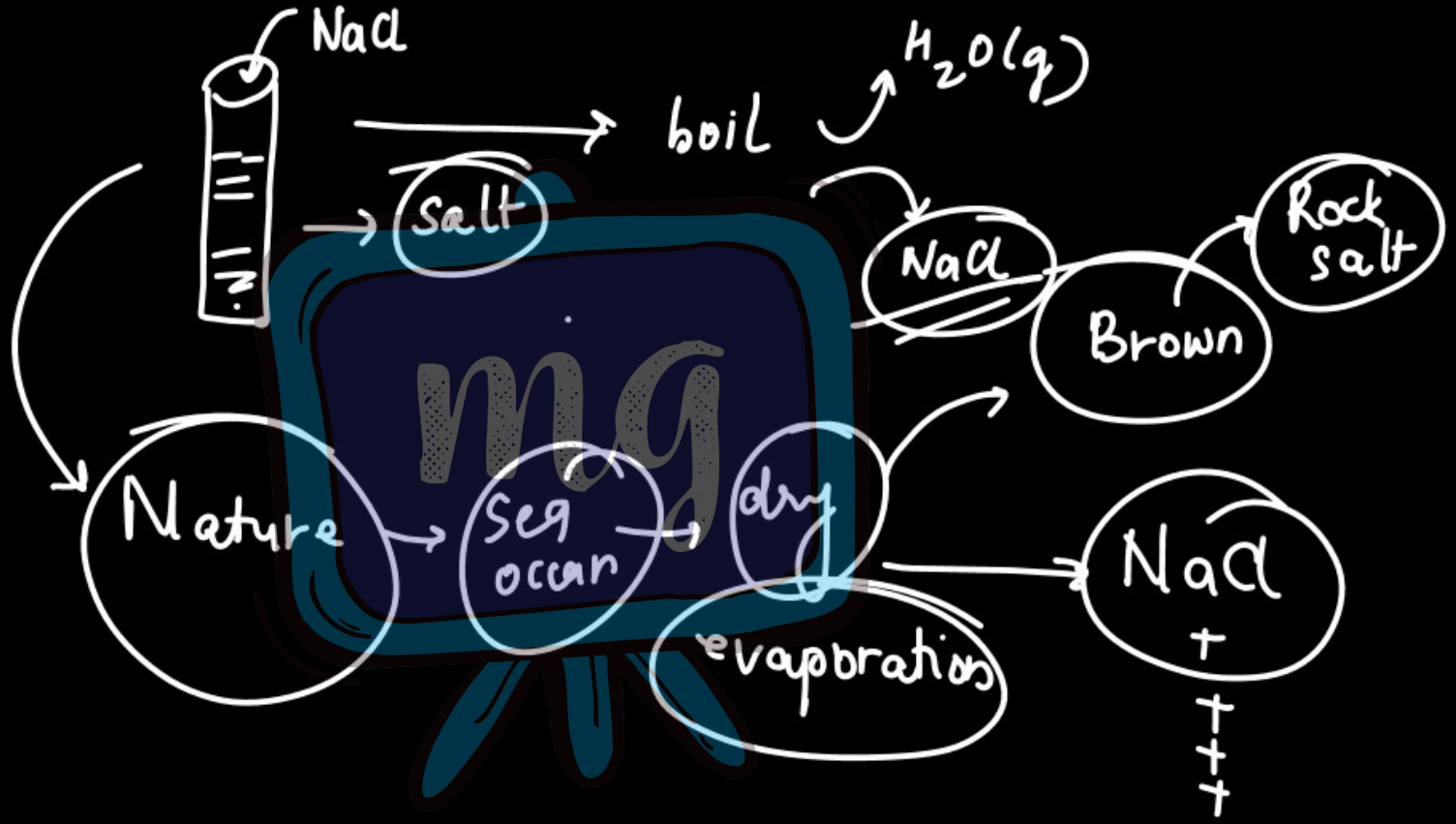
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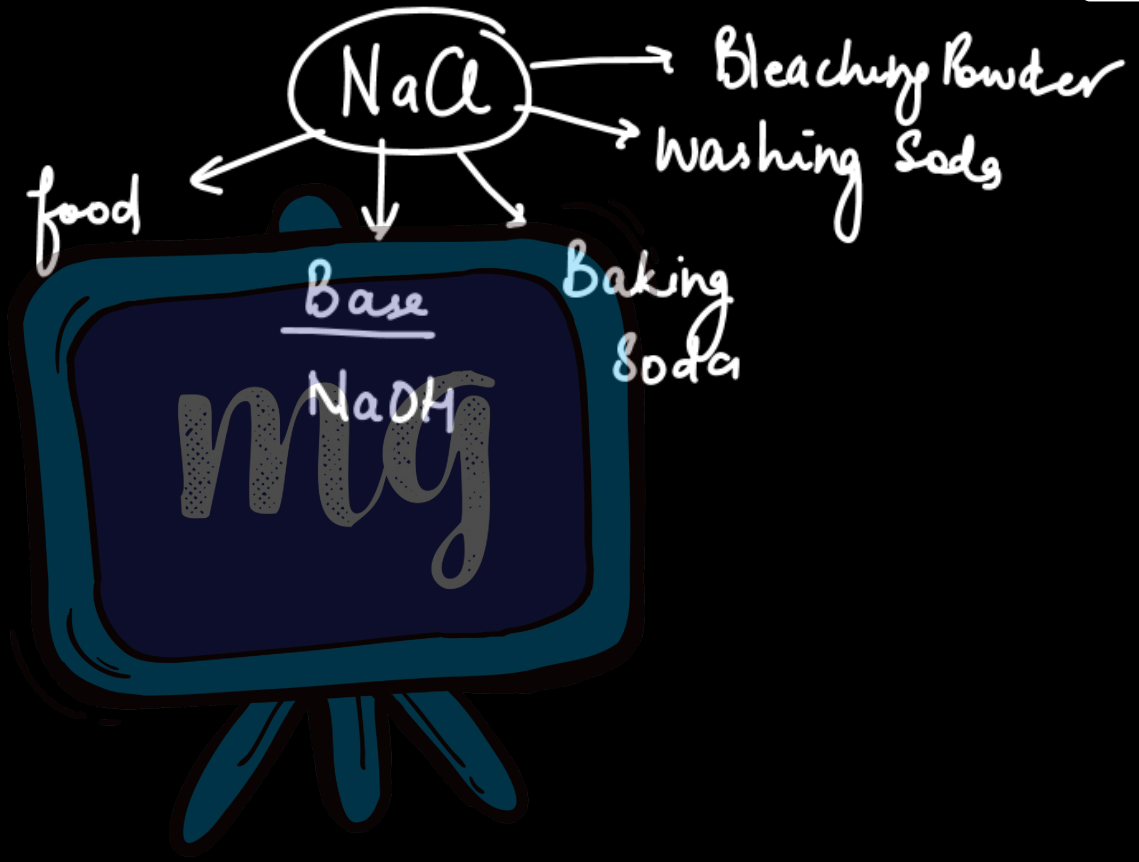
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1 NaOH

$NaCl + H_2O \rightarrow$ Brine

$NaCl + H_2O \xrightarrow{\text{Electricity}} NaOH + H_2\uparrow + Cl_2\uparrow$

Na^+ Cl^- H^+ OH^-

Chlor – Alkali Experiment

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