

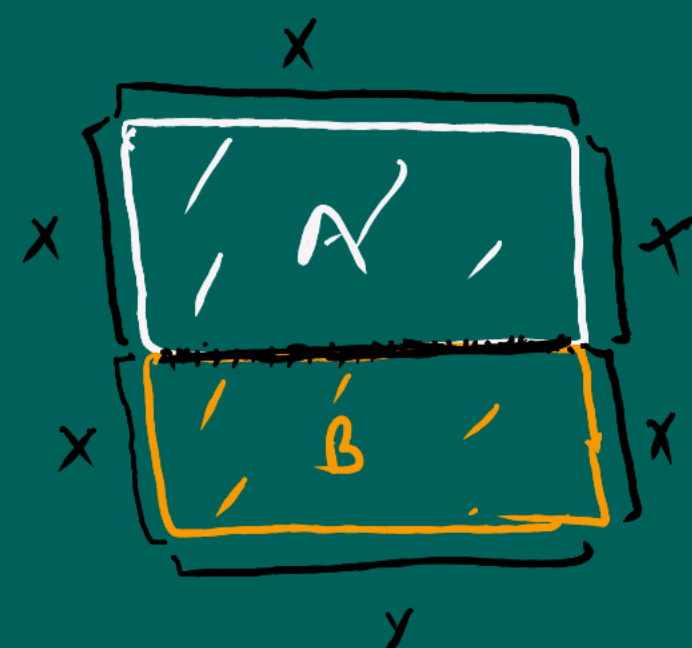
Rate of chemical reaction :-



The amount of reactant is changed into Product in unit time.

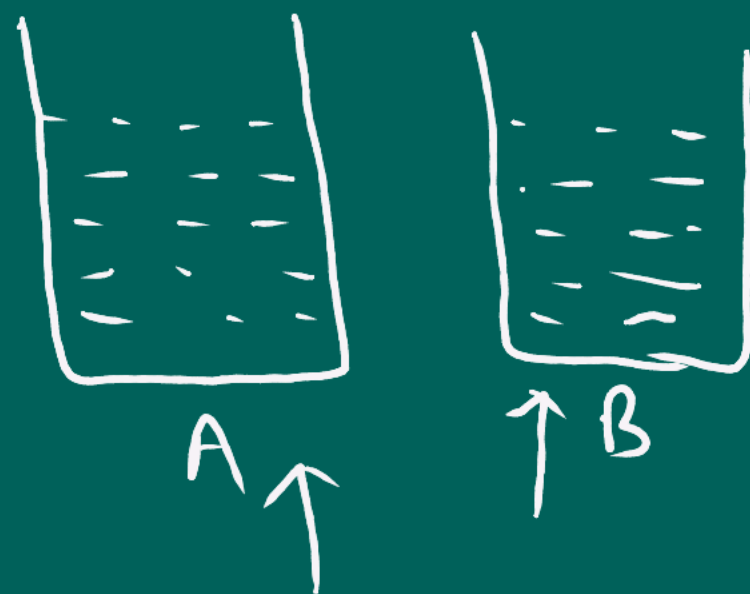
Factors affecting rate of chemical reaction:-

⇒ Contact area :-

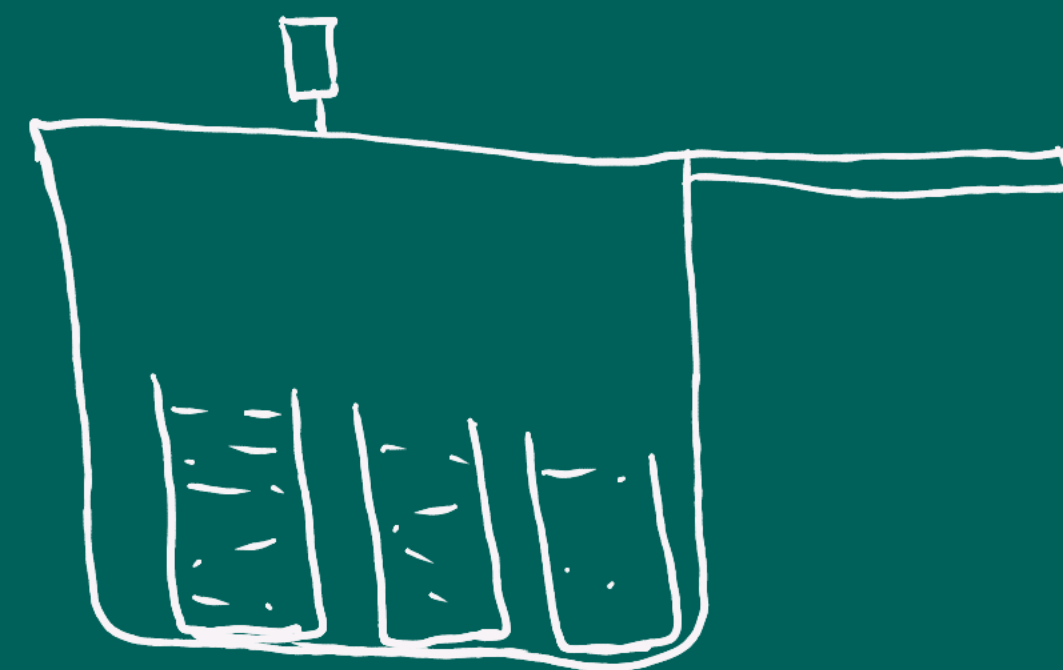


Solid & Solid

↓
slow



Solid & liquid



liquid & liquid
fast

⇒ Temperature :-

more temperature more rate of chemical reaction.

⇒ Pressure - more pressure more rate of chemical reaction.

⇒ Catalyst :-



The chemical substance which alters the rate of chemical reaction but itself remains unchanged as a result of chemical reaction is called catalyst.

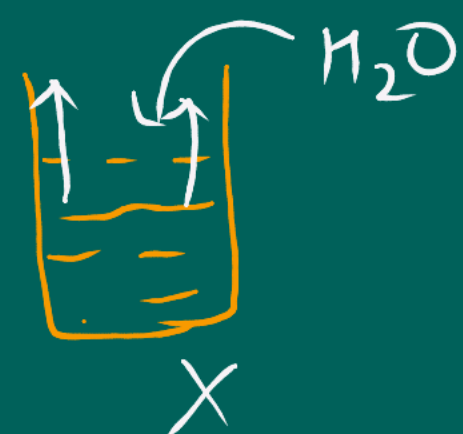
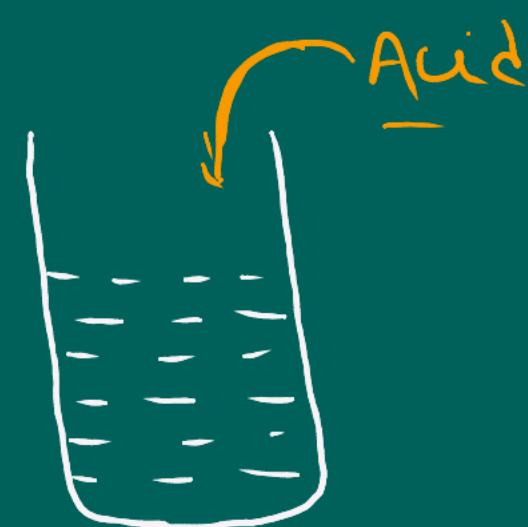
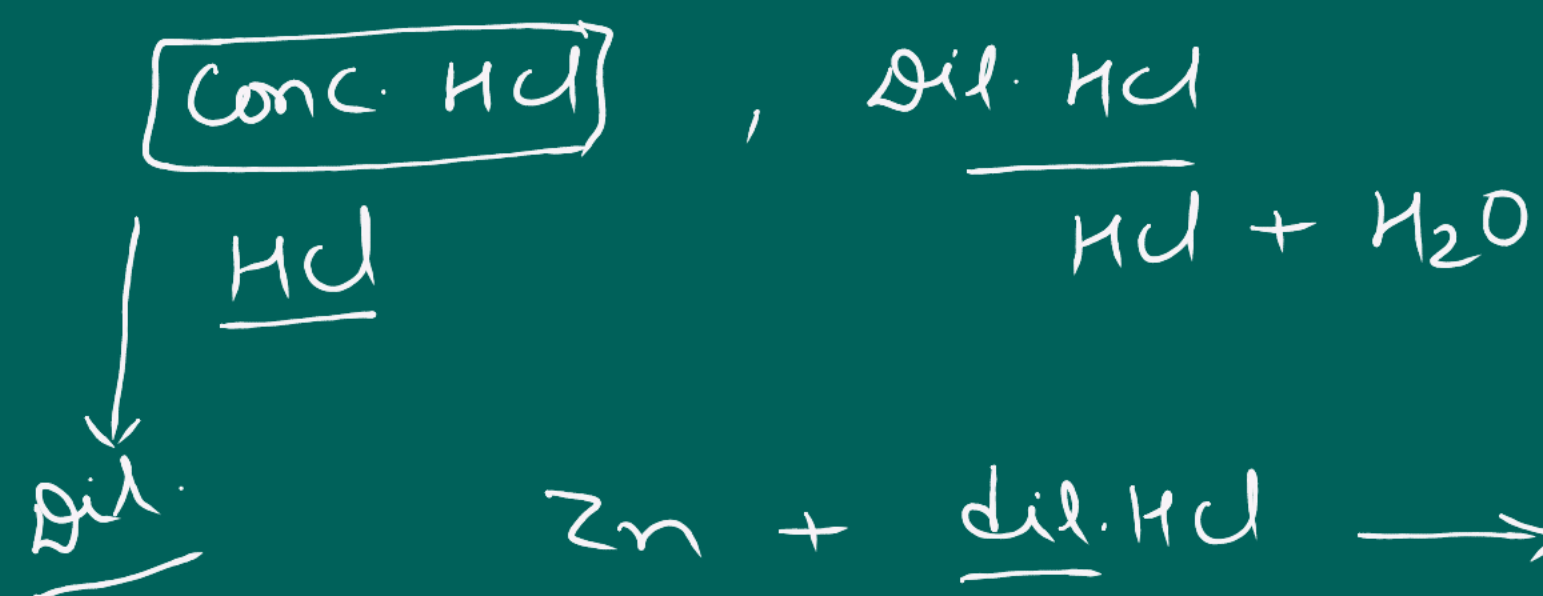
⇒ Positive catalyst :- Increases

V_2O_5 , MnO_2 , Fe etc.

⇒ Negative catalyst :- Decreases

Ex - Glycerol, phosphoric acid (H_3PO_4) etc.

⇒ Concentration:



$\text{Na}_2\text{S}_2\text{O}_3$	$+$	H_2O	$+$	HCl
50 ml.		40 ml.		10 ml.
50 ml.		30 ml.		20 ml.
50 ml.		20 ml.		30 ml.
50 ml.		10 ml.		40 ml.
50 ml.		—		50 ml.

$t_1\text{S}$
 $t_2\text{S}$
 $t_3\text{S}$
 $t_4\text{S}$
 $t_5\text{S}$

$t_1\text{S} > t_2\text{S} > t_3\text{S} > t_4\text{S} > \underline{t_5\text{S}}$



⇒ Sound :-

Energy

