

INHIBITORS

- Molecules hinders rate of Reaction
- ΔR of Enzyme action $\downarrow\downarrow$

→ **Anti-metabolites**

→ Poisons

→ Venom

→ Toxin

→ **Anti-biotics**



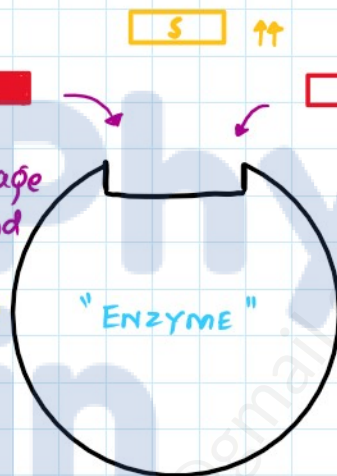
Irreversible Inhibitor ← ■ → □ → Reversible Inhibitors

- Covalent linkage
- Tightly bound

- Weak linkage
- Loosely attached

- Substrate concentration $\uparrow\uparrow$
- Irreversible inhibitors has no effect

- Substrate concentration $\uparrow\uparrow$
- Reversible inhibitor effect will be neutralize



"NON-COMPETITIVE" INHIBITORS



→ COMPETITIVE INHIBITORS
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- **Phosphofructokinase (Enzyme)**

"STB"

- **EFFECT OF WATER** → Aquatic medium (For normal functioning E)
- **RADIATION** → UV, β , x-rays, γ → Shape of Enzyme.

