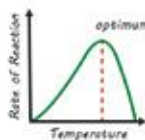


Biochemistry ●●●

Factors affecting ENZYME activity

Temperature

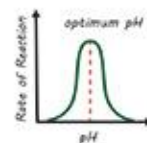
BIG influence
More heat = More kinetic energy



But if **too high**
enzyme is denatured

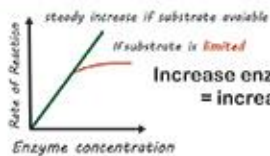
pH

Enzymes have optimum pH



If **higher/lower**
H⁺ in acid / OH⁻ in alkaline
can **interfere** enzyme structure

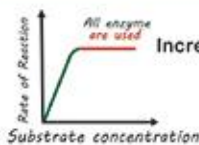
Enzyme concentration



Increase enzyme concentration
= increase rate of reaction

Until substrates amount are limited

Substrate concentration



Increase substrate concentration
= increase rate of reaction

Until active site of enzyme are used