**BIOCHEMISTRY**

Enzymes

Enzymes is a biological catalyst

They lower the energy of activstion

PROPERTIES OF ENZYMES

* High efficiency
* High specificity
* Mild reaction conditions

Clasififcation of enzymes

1. By there composition

Monomeric

Oligomeric

Multienzyme

ENZYMES NOMENCLATURE

Name by reaction

Systemic name

by the reaction they catalyses

**ENZYMATIC REACTION**

* substrate approaches
* enzyme- substrate complex forms
* substrate transformed into product
* product released
* enzyms recycled

**FACTORS AFFECTING ENZYME ACTIVITIES**

* concentration of substrate
* concentration of enzyme
* temperature
* pH
* activators
* co-enzymes

COMMON ENZYMES USED FOR CLINICAL DIAGNOSIS

Alanine aminotranserase/

Alkaline phosphotate

Amylase

Aspartate

kinase