

LECTURE 35 KINETICS: CATALYSIS

I. Kinetics of Catalysis

- A. Catalyst
- B. Inhibitor
- C. Types of Catalysts
 - 1. Homogeneous catalysts
 - 2. Heterogeneous catalysts
 - 3. Catalysts of life: enzymes

II. Enzyme Catalysis

- A. Substrates
- B. Active site
- C. Deriving the rate expression for $E + S \rightleftharpoons ES \rightarrow E + P$
 - 1. Michaelis-Menten Equation
- D. Enzyme inhibition