

## LECTURE 32 KINETICS

### I. Radioactive Decay

- A. Nuclear kinetics
- B. Decay rate, activity (A)
- C. Becquerel (Bq)
- D. Medical uses

### II. Second Order Integrated Rate Laws

- A. Second order half-life

### III. Kinetics and Chemical Equilibrium

- A. Equilibrium constant
- B. Elementary reactions
- C. Example: decomposition of ozone