LECTURE 33
LIGAND SUBSTITUTION REACTIONS: KINETICS

I. Rates for Water Exchange
   A. Labile
   B. Inert
   C. Henry Taube

II. Substitution in Metal Carbonyls
   A. Jahn-Teller effect

III. Reaction mechanism for dissociative substitution
   A. Limiting case for the dissociative path
      1. Exponential decay
      2. When $k_2[Y]$ is not $>> k_1[X]$

IV. Rate Law
   A. Integrated rate law