

# ROTD 4/7/6

**1) Nucleophilic substitution reactions can have a rate determining step that is unimolecular ( $S_N1$ ) or bimolecular ( $S_N2$ ).**

**2) There are several things that affect the rates of substitution reactions: Solvent, nucleophile, leaving group, structure of the electrophile.**

**3) Kinetics is the study of reaction rates. We can determine a lot about the mechanism of a reaction by looking at what factors change the rate of a reaction.**