



Department of Civil and Environmental Engineering
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Aquatic Environmental Science 6. Dissolution and Kinetics

1. Dissolution & Precipitation
 - Solubility
 - Dissociation constant
 - Solubility product
 - pH and solubility
 2. Importance of Rate of Reaction
 - Rate and Ratio
 - Half life
 - Time scale for different reaction
 - Streeter Phelps's equation
 - Equilibrium Constant
 - Equilibrium versus steady-state
 3. Kinetics
 - Order of reactions
 - Factor influencing rate constant
 - Kinetics in environmental processes
 4. Exercise
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