

# Vocabulary

Chemistry- Mr. Hunter

Week 13

Chapter 18

## “Equilibrium”

1. **Activated complex:** the equilibrium that results when either an acid or a base dissolves in water
2. **Activation energy:** the minimum energy colliding particles must have in order to react
3. **Chemical equilibrium:** a state of balance in which the rates of the forward and reverse reactions are equal
4. **Collision theory:** atoms, ions, and molecules can react to form products when they collide, provided particles have enough kinetic energy
5. **Equilibrium Constant :** constant calculated by substituting equilibrium concentrations of the reactants and products of a give reaction into an equilibrium expression.
6. **Equilibrium position:** the relative concentrations of reactants and products of a reaction that has reached equilibrium
7. **Inhibitor:** a substance that interferes with the action of a catalyst
8. **Le Chatelier’s principle:** when a stress is applied to a system in dynamic equilibrium, the system changes in a way that relieves the stress
9. **Rate:** describes the speed of change over an interval of time
10. **Reversible reaction:** a reaction in which the conversion of reactants into products and the conversion of products into reactants occur simultaneously
11. **Transition state:** a term sometimes used to refer to the activated complex