reverse.md 4/8/2021

Reversal

Equilibrium Constant

• Keq = ratio between the concentrations products formed at equilibrium to concentrations reactants (g and aq only)

- Keq = 1 nothing favored
- Keq > 1 products favored
- Keq < 1 reactants favored

Le Chatelier's Principle

- if stress is applied to system in dynamic equilibrium system will change to relieve stress:
 - o temperature
 - o concentration (affects gases, liquids + aqueous materials no solids)
 - o pressure: affects gases

Concentration + temperature

- what would happen if I add reactant: (shift right) makes more products
- what would happen if I remove product: (shift right) makes more products (more efficient because you dont have to spend anything unlike adding reactant)
- What would happen if I put reactant in freezer if Enthlapy was positive (endo): (shift left) make more reactant

Pressure

- count number of moles
 - o add or take away from the side with more moles
- Increase Pressure:
 - o means: add pressure to reactants
 - (shift right)
 - make more product