Chemical Equilibrium

Topic Outline

15.1 Dynamic Equilibrium

15.2 Laws of chemical equilibrium Kc

15.3 Laws of chemical equilibrium Kp

15.4 Homogenous and Heterogeneous equilibrium

15.5 Position of equilibrium and equilibrium constants Qc and Kc

15.6 Le Chatlier's principle

15.7 Problems involving equilibrium constants

15.8 Calculating concentrations from equilibrium constants

18.1 Sparingly soluble salts and neutral salt solutions

18.2 Equilibria in solutions involving metal oxides and sulfides

18.3 Selective precipitation

18.4, 5 Application of complexing and solubility of complexes

Chapter 19 has been completed but certain parts are related to equilibrium

18.8 Free energy and equilibrium

18.9 Equilibrium constant and free energy

$\Delta G = -RT\ln Kc$ or $\Delta G = -2.303RT\log Kc$ check thermodynamics for free energy related problems.