

CHAPTER OVERVIEW

12: Equilibrium Conditions in Multicomponent Systems

This chapter applies equilibrium theory to a variety of chemical systems of more than one component. Two different approaches will be used as appropriate: one based on the relation *[Math Processing Error]* for transfer equilibrium, the other based on *[Math Processing Error]* or *[Math Processing Error]* for reaction equilibrium.

- 12.1: Effects of Temperature
- 12.2: Solvent Chemical Potentials from Phase Equilibria
- 12.3: Binary Mixture in Equilibrium with a Pure Phase
- 12.4: Colligative Properties of a Dilute Solution
- 12.5: Solid-Liquid Equilibria
- 12.6: Liquid-Liquid Equilibria
- 12.7: Membrane Equilibria
- 12.8: Liquid-Gas Equilibria
- 12.9: Reaction Equilibria
- 12.10: Evaluation of Standard Molar Quantities
- 12.11: Chapter 12 Problems

Contributors

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