

## CHAPTER OVERVIEW

### 24: Solutions I - Volatile Solutes

- 24.1: A Mixture is a Combination of Two or More Substances
- 24.2: The Gibbs-Duhem Equation Relates Chemical Potential and Composition at Equilibrium
- 24.3: Chemical Potential of Each Component Has the Same Value in Each Phase in Which the Component Appears
- 24.4: Ideal Solutions obey Raoult's Law
- 24.5: Most Solutions are Not Ideal
- 24.6: Vapor Pressures of Volatile Binary Solutions
- 24.7: Activities of Nonideal Solutions
- 24.8: Activities are Calculated with Respect to Standard States
- 24.9: Gibbs Energy of Mixing of Binary Solutions in Terms of the Activity Coefficient
- 24.E: Solutions I- Liquid-Liquid Solutions (Exercises)

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