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8. Solutions of Electrolytes8.1. Coulombic Interaction and Ionic Dissociation; 8.2. Mean Ionic Activity and Activity Coefficient; 8.3. The Debye-Huckel Theory; Problems; 9. Colligative Properties; 9.1. Boiling Point Elevation; 9.2. Freezing Point Depression; 9.3. Osmotic Pressure; 9.4. Isotonicity Calculations; Problems; 10. Solubility; 10.1. Solubility as an Equilibrium Constant; 10.2. The Ideal Solubility; 10.3. Temperature Dependence of the Solubility; 10.4. Solubility of Slightly Soluble Salts; 10.5. Solubilities of Nonelectrolytes: Further Issues; Problems; 11. Surfaces and Interfaces

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| Sommario/riassunto | Designed for pharmacy students Now updated for its Second Edition, Thermodynamics of Pharmaceutical Systems provides pharmacy students with a much-needed introduction to the mathematical intricacies of thermodynamics in relation to practical laboratory applications. Designed to meet the needs of the contemporary curriculum in pharmacy schools, the text makes these connections clear, emphasizing specific applications to pharmaceutical systems including dosage forms and newer drug delivery systems. Students and practitioners involved in drug discovery, drug delivery, and drug a |