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15.1 The Haber Cycle: Application to an Industrial Process
15.2 The Synthesis of Diamond: Application to Phase Changes; 15.3 Applications of Thermodynamics to Geological Systems; 15.4 Thermodynamics of Complexation with Macrocyclic Ligands; References; Chapter 16.
Applications of Thermodynamics to Biological Processes; 16.1 Metabolism and Work; 16.2 Biopolymer Stabilities; References; Chapter 17. Applications of Thermodynamics to Nonelectrolyte Solutions; 17.1 Excess Thermodynamic Properties; 17.2 The Excess Thermodynamic Properties and (Liquid + Liquid) Phase Equilibrium
17.3 The Excess Thermodynamic Properties and (Fluid + Fluid) Phase Equilibrium
References; Chapter 18. Applications of Thermodynamics to Solutions Containing Electrolyte Solutes; 18.1 Electrolyte Solutions; 18.2 Ion Association; 18.3 Surfactant Solutions; References; APPENDIX 5. Thermodynamic Properties of Selected Chemical Substances; Table A5.1 Thermodynamic Functions; Table A5.2 Standard Heat Capacities, Entropies, Enthalpies, and Gibbs Free Energies of Formation of Selected Substances at $T = 298.15\text{ K}$
Table A5.3 Standard Heat Capacities, Entropies, Enthalpies, and Gibbs Free Energies of Formation of Some Common Ions at $T = 298.15\text{ K}$
Table A5.4 Enthalpies and Temperatures of Fusion and Vaporization; Table A5.5 Coefficients at $P = 0.1\text{ MPa}$ for the Heat Capacity Equation; Table A5.6 Standard Reduction Potentials at $T = 298.15\text{ K}$; APPENDIX 6. Calculations from Statistical Thermodynamics; A6.1 Atomic and Molecular Energy Levels; A6.2 The Partition Function; A6.3 Relationship Between the Partition Function and the Thermodynamic Functions for the Ideal Gas; A6.4 Partition Functions for the Ideal Gas
A6.5 Calculation of the Thermodynamic Properties from the Energy Levels

Sommario/riassunto

This book is an excellent companion to Chemical Thermodynamics: Principles and Applications. Together they make a complete reference set for the practicing scientist. This volume extends the range of topics and applications to ones that are not usually covered in a beginning thermodynamics text. In a sense, the book covers a ""middle ground"" between the basic principles developed in a beginning thermodynamics textbook, and the very specialized applications that are a part of an ongoing research project. As such, it could prove invaluable to the practicing scientist who needs to apply t

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-- Between global norms and domestic realities : judicial reforms in China / Randall Peerenboom -- Official discourses and court-oriented legal reform in Vietnam / Pip Nicholson and Simon Pitt -- Constructing law from development : cause lawyers, generational narratives, and the rule of law in Thailand / Frank Munger -- ; pt. IV. Re-interpreting global family and religious norms -- Family law transfers from Europe to Africa : lessons for the methodology of comparative legal research / Mark Van Hoecke -- Resistible force meets malleable object : the story of the 'introduction' of norms of gender equality into Japanese employment practice / Frank Upham -- Discordant voices on the status of Islam under the Malaysian constitution / Elsa Satkunasingam -- 'Unpacking' a global norm in a local context : an historical overview of the epistemic communities that are shaping zakat practice in Malaysia / Kerstin Steiner.

Sommario/riassunto

This volume of essays contributes to the understanding of global law reform by questioning the assumption in law and development theory that laws fail to transfer because of shortcomings in project design and implementation. It brings together leading scholars who demonstrate that a synthesis of law and development, comparative law and regulatory perspectives (disciplines which to date have remained intellectually isolated from each other) can produce a more nuanced understanding about development failures. Arguing for a refocusing of the analysis onto the social demand for legal transfers, and drawing on empirically rich case studies, contributors explore what recipients in developing countries think about global legal reforms. This analytical focus generates insights into how key actors in developing countries understand global law reforms and how to better predict how legal reforms are likely to play out in recipient countries.
