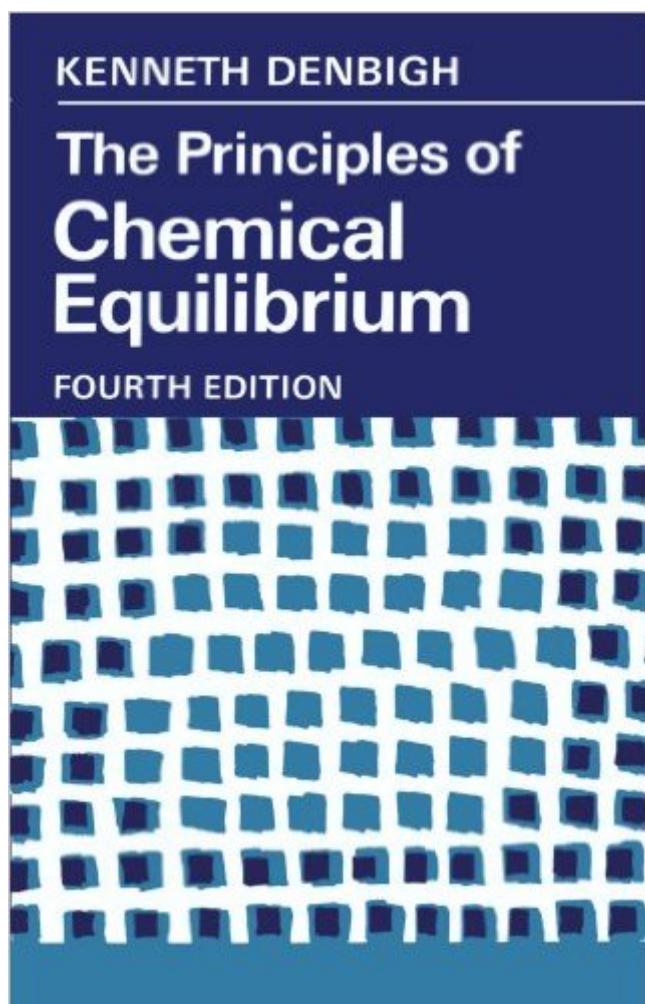


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The Principles Of Chemical Equilibrium: With Applications In Chemistry And Chemical Engineering



Synopsis

This is the fourth edition of an established textbook of chemical thermodynamics used by university and technical college students of chemistry and chemical engineering. The text covers the same ground as previous editions, presenting the general theory of chemical equilibrium, including its statistical development, and illustrating its many applications in the laboratory and industry. This edition has been extensively revised in the light of recent contributions to the literature. Many new references have been added; the re-writing of certain passages, especially of those concerning the statistical interpretation of entropy and the present understanding of order-disorder transitions, also reflects changes of emphasis.

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Customer Reviews

This book is by far the best book, in my view, on the subject of chemical thermodynamics. The author covered both the classical and statistical aspects of the subject, and did it with such lucidity and consistency as rarely seen in books dealing with similar topics. Unlike many other text books which are primarily consisted of formulas and sample calculations, the author put in a lot of expositional materials that made each section very readable in itself and well connected with other sections. The author also didn't shy away from the necessary mathematics by providing the needed materials for all the derivations. The most outstanding feature of the book, however, would be the consistency and continuity in the materials covered, the explanations provided, the mathematics employed, and the symbols used. The only shortcoming of the book, however, seemed to be too

digressional and wordy at times. But if you are prepared for these and ready to read a master upclose, you will be in for a pleasant surprize.

This is the recognized standard for chemical thermodynamics but not the best for learning thermo unless you are unusually bright and enjoy rigor. Once you have a course in Chem Thermo under your belt, this is a wonderfully concise and rigorous treatment of everything that you might have wondered about. I own every edition from the first to this one. For the money, there is not a better thermo book for a lover of the subject. I have taught an introductory course in thermo 50 times now but do not use Denbigh, but I enjoy giving my top students copies if they express a love for the topic. I am buying this one as a gift for a new professor.

This is not a book for beginners. While the subject is covered thouroughly, there are virtually no examples on the usage of the equations and formulas. Perhaps I simply had a poor teacher but I feel that this book was written with the intention of being used as a reference book for graduate level students. I would recommend any undergrad assigned this book for class try to find a supplementary book from which examples and problems may be worked.

A good book for the subject. Delivered on time.

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