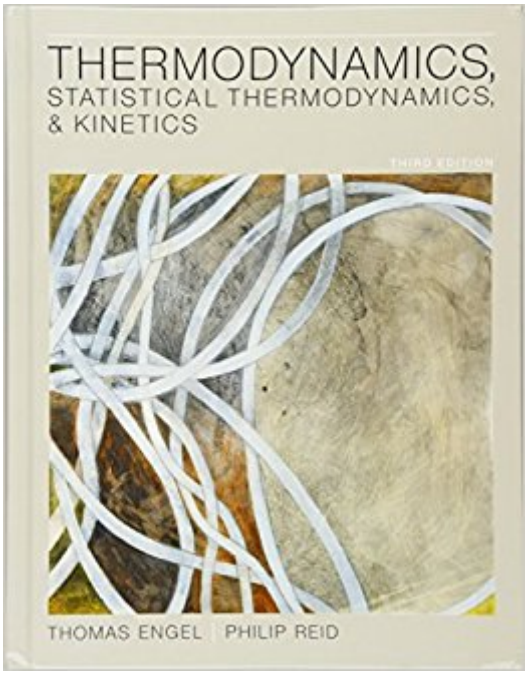
Thermodynamics, Statistical Thermodynamics, & Kinetics (3rd Edition)



Synopsis

Engel and Reidâ ™s Thermodynamics, Statistical Thermodynamics, and Kinetics gives students a contemporary and accurate overview of physical chemistry while focusing on basic principles that unite the sub-disciplines of the field. The Third Edition continues to emphasize fundamental concepts and presents cutting-edge research developments that demonstrate the vibrancy of physical chemistry today.

Book Information

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Customer Reviews

Thomas Engel has taught chemistry for more than 20 years at the University of Washington, where he is currently Professor of Chemistry and Associate Chair for the Undergraduate Program. Professor Engel received his bachelor's and master's degrees in chemistry from the Johns Hopkins University, and his Ph.D. in chemistry from the University of Chicago. He then spent 11 years as a researcher in Germany and Switzerland, in which time he received the Dr. rer. nat. habil. degree from the Ludwig Maximilians University in Munich. In 1980, he left the IBM research laboratory in Zurich to become a faculty member at the University of Washington.Â Professor Engel's research interests are in the area of surface chemistry, and he has published more than 80 articles and book chapters in this field. He has received the Surface Chemistry or Colloids Award from the American Chemical Society and a Senior Humboldt Research Award from the Alexander von Humboldt Foundation, which has allowed him to establish collaborations with researchers in Germany. He is currently working together with European manufacturers of catalytic converters to improve their performance for diesel engines. Philip Reid has taught chemistry at the

University of Washington since he joined the chemistry faculty in 1995. Professor Reid received his bachelor's degree from the University of Puget Sound in 1986, and his Ph.D. in chemistry from the University of California at Berkeley in 1992. He performed postdoctoral research at the University of Minnesota, Twin Cities, campus before moving to Washington.Â Professor Reid's research interests are in the areas of atmosphere chemistry, condensed-phase reaction dynamics, and nonlinear optical materials. He has published more than 70 articles in these fields. Professor Reid is the recipient of a CAREER award from the National Science Foundation, is a Cottrell Scholar of the Research Corporation, and is a Sloan fellow.

This textbook is hard to follow and does not provide you with enough information to complete all of the problems they give you. Some of the answers to the problems in the back of the book also contain errors, which is extremely annoying. Honestly, no one in my physical chemistry class uses it; we just study our class notes, and our professor does a wonderful job at clearly and thoroughly explaining all of the concepts. If you are a student, please do not waste your money on this "textbook." If you really, really need it for a class, then, I would recommend getting a way cheaper version of it.

The book explains concepts in very obtuse ways. I had to rely on other sources to understand most material in the later chapters. On the other hand, it is very annoying that some key concepts are explained solely within the contexts of overly-simplified example problems.For those with strong calculus backgrounds, the logic of this book shouldn’t be too difficult to follow. For others, not so much.

Poorly written, obtuse, and at times flat out unhelpful. I learned more by googling topics than by wasting my time struggling to decipher this text.

Good quality

OH P-CHEM SUCKED! THIS BOOK WAS VERY DIFFICULT TO UNDERSTAND

good

very good

This book explains the concepts well and provides background for all equations listed. I have been out of school for six years and this book has helped me reintroduce myself to chemistry and physics.

Thermodynamics, Statistical Thermodynamics, & Kinetics (3rd Edition) Thermodynamics, Kinetic Theory, and Statistical Thermodynamics (3rd Edition) Chemical Kinetics (3rd Edition) Molecular Driving Forces: Statistical Thermodynamics in Biology, Chemistry, Physics, and Nanoscience, 2nd Edition 2nd edition by Ken A. Dill, Sarina Bromberg (2010) Paperback Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis) Molecular Driving Forces: Statistical Thermodynamics in Biology, Chemistry, Physics, and Nanoscience, 2nd Edition Molecular Driving Forces: Statistical Thermodynamics in Biology, Chemistry, Physics, and Nanoscience, Second Edition An Introduction to Statistical Thermodynamics (Dover Books on Physics) Thermal Physics: An Introduction to Thermodynamics, Statistical Mechanics, and Kinetic Theory (Oxford Science Publications) Molecular Driving Forces: Statistical Thermodynamics in Chemistry & Biology Statistical Thermodynamics (Oxford Chemistry Primers) Thermodynamics and Statistical Mechanics of Macromolecular Systems An Introduction to Applied Statistical Thermodynamics Reaction Kinetics and Reactor Design, Second Edition (Chemical Industries) Chemical Kinetics and Dynamics (2nd Edition) Kinetics in Materials Science and Engineering Compartmental Modeling and Tracer Kinetics (Lecture notes in biomathematics) Physical Kinetics: Volume 10 (Course of Theoretical Physics S) Kinetics of Materials Materials Kinetics Fundamentals