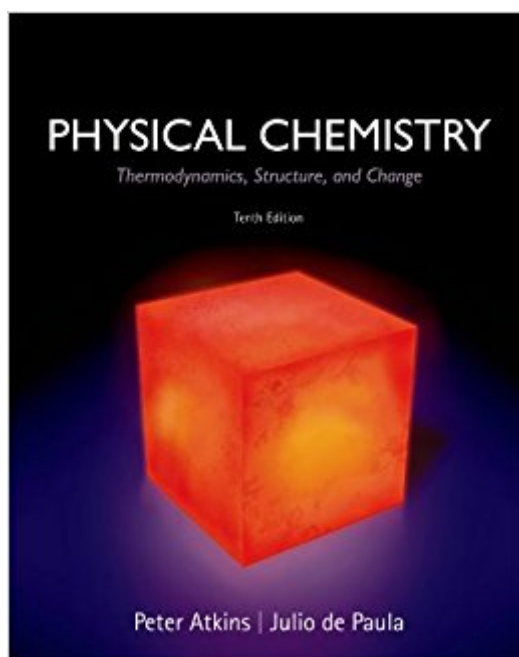


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Physical Chemistry: Thermodynamics, Structure, And Change



Synopsis

Edition after edition, Atkins and de Paula's #1 bestseller remains the most contemporary, most effective full-length textbook for courses covering thermodynamics in the first semester and quantum mechanics in the second semester. Its molecular view of physical chemistry, contemporary applications, student friendly pedagogy, and strong problem-solving emphasis make it particularly well-suited for pre-meds, engineers, physics, and chemistry students. Now organized into briefer, more manageable topics, and featuring additional applications and mathematical guidance, the new edition helps students learn more effectively, while allowing instructors to teach the way they want. Available in Split Volumes For maximum flexibility in your physical chemistry course, this text is now offered as a traditional text or in two volumes: Volume 1: Thermodynamics and Kinetics: 1-4641-2451-5 Volume 2: Quantum Chemistry: 1-4641-2452-3

Book Information

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Customer Reviews

Peter Atkins is a fellow of Lincoln College in the University of Oxford and the author of about 70 books for students and a general audience. His texts are market leaders around the globe. A frequent lecturer in the United States and throughout the world, he has held visiting professorships in France, Israel, Japan, China, and New Zealand. He was the founding chairman of the Committee on Chemistry Education of the International Union of Pure and Applied Chemistry and was a member of IUPAC's Physical and Biophysical Chemistry Division. Julio de Paula is a Professor of Chemistry at Lewis and Clark College. A native of Brazil, Professor de Paula received a B.A. degree

in chemistry from Rutgers, The State University of New Jersey, and a Ph.D. in biophysical chemistry from Yale University. His research activities encompass the areas of molecular spectroscopy, biophysical chemistry, and nanoscience. He has taught courses in general chemistry, physical chemistry, biophysical chemistry, instrumental analysis and writing."

I purchased this book for a class and reading it helped clarify my understanding of the material.

Very good book by Atkins ! I used it in physical chemistry 1 and 2 (thermodynamics and quantum chemistry). I am currently taking a graduate level chemical engineering reactions engineering course, it was referenced by Pilling in Chemical reaction kinetics portion. This is a good book to have on hand that makes hard equations easier to understand! Great explanation an equations are well explained with detail derivation !

Used this book for a chemical modeling class. I also used it in the past for P Chem, and it is how I remembered. Everything is laid out straightforwardly but there are times where the author could definitely spend more time articulating via examples. Also, some concepts are difficult to locate from the index. I would say get another P chem book but this is the one that most teachers are familiar with so chances are you won't have a choice.

Though the writing in the book is incredibly dull and dry, the book is arranged to help you understand the content as clearly as possible. I especially appreciate the derivations of equations and the step-by-step walkthroughs of problems. This book really helped me achieve an A in thermodynamics and kinetics.

Book is difficult to understand. The organization is confusing. They have the answers to the self tests, but not an explanation. The self tests are not directly related to the example they are paired with.

As we all know you don't choose your textbooks. Atkins seems rather ubiquitous in the northwest and it's okay as text books go. Some of the figures are rather confusing and it seems to enjoy rather odd variable substitution at times. That said, the general layout is good and the "mathematical backgrounds" are very helpful with remembering or learning advanced calculus methods.

This is an absolutely excellent text that certainly meets my expectations for the topic - physical chem. Further, the shipping was done overnight apparently, from the US no less! There aren't too many choices in this particular field (versus organic chem., for example) but fortunately, this text is well written at an appropriate level. And you can't mistake the position of P. W. Atkins in the field.

I like the mathematical review sections. Do not like the lack of answer key for all problems.

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