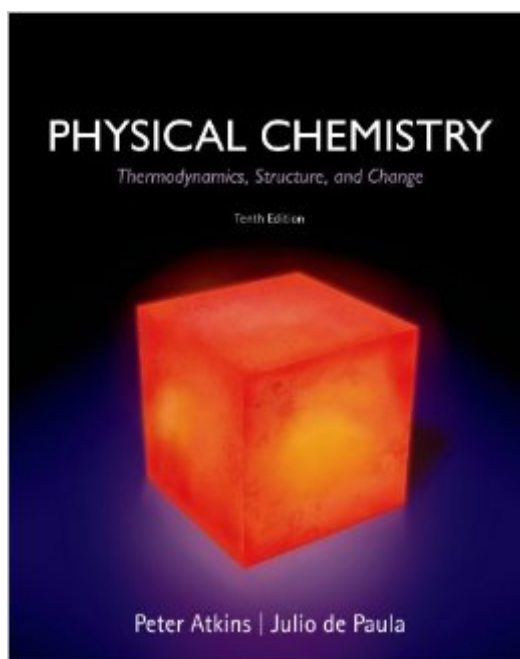


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# Physical Chemistry: Thermodynamics, Structure, And Change



## 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

I'm a college professor and physical chemist with twenty years of teaching experience. This is my first time teaching the PChem sequence; the text was chosen by the previous instructor. My comments reflect and summarize those posted for previous editions, so you may want to read them as well. For depth and thoroughness of the content of physical chemistry, this book is hard to beat. I would recommend it as an excellent reference and resource for any practicing chemist. But I have serious reservations using this book as a text for teaching students without a background in PChem already, most of whom are not going to become physical chemists. This book is not designed to

help a student with little or no knowledge of the subject to build a conceptual framework of physical chemistry. However, it does have everything I would want in a book \*after\* that framework is in place. And I have to say, the only thing I get from the chapter exercises and problems is frustration. The solutions manual is as much a learning tool for me as the book is supposed to be. I read an 'exercise' and I'm confused; I check with the solutions manual; and I say "What? How was I supposed to know to do that?" And this is my field of study! This tension between simplicity-clarity and depth-elegance in a textbook is nothing new. If I had years of experience teaching the subject with a clear outline in my head of how I wanted to present the material, along with a set of solid (and simple) learning outcomes for my students, I would include this book as an important supplement for the course. But I don't have that yet, so next year I am going to use a different text. Five stars for content, three stars for presentation of material, one star for problems and exercises, averaging three stars overall.

This book is horribly written and full of grammar curiosities. If you doubt my review, please see the attached image of a corner of page 478 in this wretched book. Writing aside, the layout of the pages is awful. The columns are interrupted with bright color blocks of examples in an incoherent manner. The equations are strewn about the sections carelessly. The variables are not defined after equations are presented, leaving one to go digging through past chapters and sections to find the meaning of some Greek letter. I have wasted weeks of my life on such endeavors. The math sections come after the chapter, the questions asked are difficult and don't always get thoroughly discussed in the chapter, the main point of a section is almost always poorly defined. I have written to my professors about how horrid this book is. I feel like it was edited by a team of semi-literate chimpanzees (again, see the attached image if you don't believe me). Bottom line? This book is a piece of garbage. Buy the book by McQuarrie instead - that is a delight!

Atkins is clearly a sadist. I have serious doubts as to whether he has ever set foot in a University. His poor command of the English language combined with the sorcery he attempts to pass off as mathematics makes for an experience not unlike a life sentence in the Gulag.

This textbook has generally clear explanations of concepts, nothing spectacular but it gets the job done. The solutions manual for it is significantly larger than the textbook because it has so many problems worked out, it is quite helpful.

The text is clear and didactic as the previous Atkins and Paula Phys Chem. There are a plenty of excercises, examples. The new organization helps to plan the lectures. One bad point is that this edition does not illustrate the application of statistical mechanics to helix-coil trasintions. Phys chem textbooks just like in other fiels are influenced by the current research interests and this might explaining the appearance and absence of topycs. The price of the International edition is very attractive, about 30 - 35 USD cheaper than the paperback from OUP (UK). But, in my opinion, it is not value for money. The quality of paper, cover, and printing is not satisfactory. If I new it before, I would had paid a bit more for the 10th Edition from OUP (UK) instead of the Int. Edition from OUP (India). To those who just want a textbook for a semester or a year course and don't appreciate PhysChem, go to the Int. Edition and save dozens of dollars.

Not beginner friendly very hard to understand.. Material not put across for beginners. A lecturer can understand this but not a student now entering the pchem world. This book isn't my exlir. Maybe paired with another book it can be the pchem holy grail

Great book..very detailed. A must have for chemistry students. Unfortunately, this book is in black and white. I've looked at the books that other students have and the graphs are more elegant and easier to distinguish when in color. Also, the paper cover needs to be protected as it is easily bent, torn or otherwise destroyed. This book contains the complete edition for a lower price than many are selling for the 1/2 edition.

Does not go into detail at all on how to do the problems . The book is very disorganized and confusing . You will be forced to buy a solutions manual! Don't recommend.

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