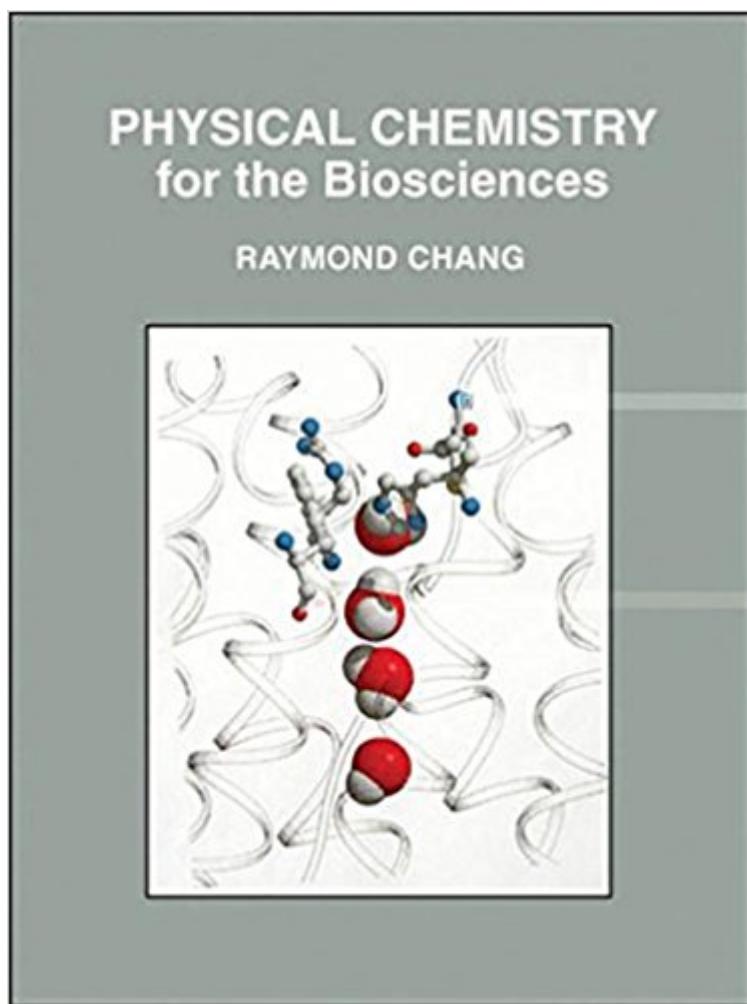


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# Physical Chemistry For The Biosciences



## Synopsis

Chang's newest text has been shortened, streamlined and optimized for a one-semester introductory course in physical chemistry for students of biosciences. Most students enrolled in this course have taken general chemistry, organic chemistry, and a year of physics and calculus. Only basic skills of differential and integral calculus are required for understanding the equations. For premedical students, this text will form the basis for taking courses like physiology in medical school. For those intending to pursue graduate study in biosciences, the material presented here will serve as an introduction to topics in biophysical chemistry courses, where more advanced texts such as those by Gennis, van Holde, and Cantor & Schimmel are used. The author's aim is to emphasize understanding physical concepts rather than focus on precise mathematical development or on actual experimental details. The end-of-chapter problems have both physiochemical and biological applications.

## Book Information

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Average Customer Review: 4.2 out of 5 stars 17 customer reviews

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## Customer Reviews

Raymond Chang has flawlessly condensed the fundamental concepts of Physical Chemistry.

--Raymond Esquerra, San Francisco State University Clearly explains the fundamental principles of physical chemistry with an emphasis on biological systems. --Gary A. Lorigan, Miami A very user-friendly text. --Keith Orrell, University of Exeter

The end-of-chapter problems have both physiochemical and biological applications.

I most enjoyed about this book the practice problems at the end. They are probing, well thought out questions that aid in a much deeper understanding of the material.

Quite possibly one of the best textbooks I have ever used. Each chapter is short and concise and effectively communicates large quantities of information in only a few short pages. I can learn more by spending 2 hours with this textbook than I can from an entire week of attending lecture. Buy this book.

I love the format of this textbook. Although it is a bit unclear and short on some explanations, overall it has very interesting problems to do at the end of each chapter and has lots of clear diagrams.

Some nice examples for biochemists

This book skims over concepts and instead focuses on equations. Equations are great and all but more conceptual knowledge of the subject would definitely help you understand the equations and make it easier to memorize. Instead, it is a very barebones textbook. Covers the topics you need to know, and writes just enough of the topics so you can understand what concept they're positing an equation for.

This book is not very exciting at all. It's just text and problems, over and over again. I only used it to work on assigned problems, and would have preferred another book.

all the concepts in the book were explained clearly and had several interesting practice problems at the end of each chapter

This textbook really helps clear up some of the concepts I don't quite catch in lecture. It's good to have something to refer back to. If the teacher recommends it for your class, I say get it.

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