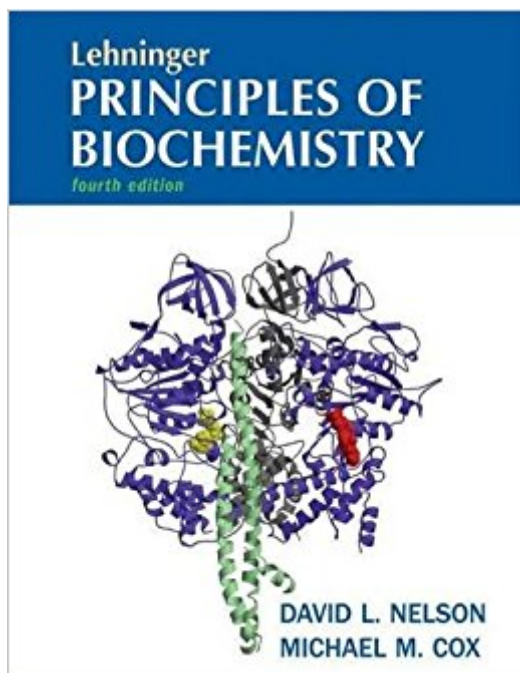




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Lehninger Principles Of Biochemistry, Fourth Edition



Synopsis

Lehninger Principles of Biochemistry, Fourth Edition brings clarity and coherence to an often unwieldy discipline, while incorporating the field's most important recent developments and applications.

Book Information

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Customer Reviews

There's a lot to like about this textbook. The level of detail is not overwhelming, it's not too long, and the explanations are mostly clear. It has a good glossary, and includes short answers to all the problems at the ends of the chapters. It provides some physiology in a chapter on mammalian metabolism. The problems with this book are in organization. There is no subsection numbering, as if all subsections are of equal importance. But they aren't. There is almost always a hierarchy of relationships, which these authors ignore, and this makes the chapters much harder to understand. Topics are sometimes presented out of order; for example, the authors present an overall table of transporter classifications, but describe the various transporters in a confusingly random order. Subsections and paragraphs are sometimes poorly organized, so that instead of "A leads to B leads to C leads to D leads to conclusion," you find "A, C, conclusion, B, D." The "Boxes" which provide supplementary material are especially poor, so much so that I stopped reading them after the first few chapters. This text really needs extensive

editing (I used the 4th edition, so maybe later editions are better). In spite of the problems, I like this textbook and refer to it often. But if it's the textbook for your class (or for self-study), you should get another textbook as a backup, or prepare to spend some time online to understand the less well-explained sections.

I love this book. I have an earlier edition of this book that I got when taking undergraduate biochemistry in college. That was about a good decade ago. Technology changes so fast. Though its true molecules and their basic structures tend to stay the same, but technology in which biochemistry is being used is constantly advancing. I bought this item as an inexpensive used book on , and I am so glad I did. The simplicity of understanding remains true in this 4th edition book. It still packs it with new technology (proteomics, etc.). I bought this at the same time of buying a proteomic book, but the small discussion the Lehninger book provided on proteomics was good enough that I regret buying the other book. I'm constantly amazed by how well the author(s) of this book presents information in a logical, accurate, and non-overly complex format.

What I like the most about this book is that it contains almost all the information that you need to understand biochemistry, information that is not traditionally covered in biochemistry books, but that is needed as background to a complete understanding of the subject. For instance, the first chapter of this book gives background information on the biological, chemical, genetics, evolution basis of biochemistry. It explains the cell in enough detail to understand references made to the cell components later on in the textbook. Another thing I found is a detailed explanation of D and L configuration, as opposed as just saying all amino acids found in proteins are L isomers. No other book I've read explains where the L, D configuration convention came from and students usually confuse it with levorotatory and dextrorotatory, when they are different things altogether. It also has an entire chapter dedicated to water chemistry, which serves as both a review and a basis for understanding the importance of hydrogen bonding in biochemistry in later chapters. In essence, this is a very COMPLETE book, in the sense that it covers material not found in traditional biochemistry books (ex. Berg, Stryer), but that is necessary to understand other aspects of biochemistry. If you are planning to specialize in the study of biochemistry, you definitely want this book as part of your reference collection.

Great textbook

My favorite Biochem book. Well written and easy to understand concepts. I had it in undergrad and ironically it was on my book list for med school- I referenced it all the time.

Awesome book. Shipping was all on time.

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