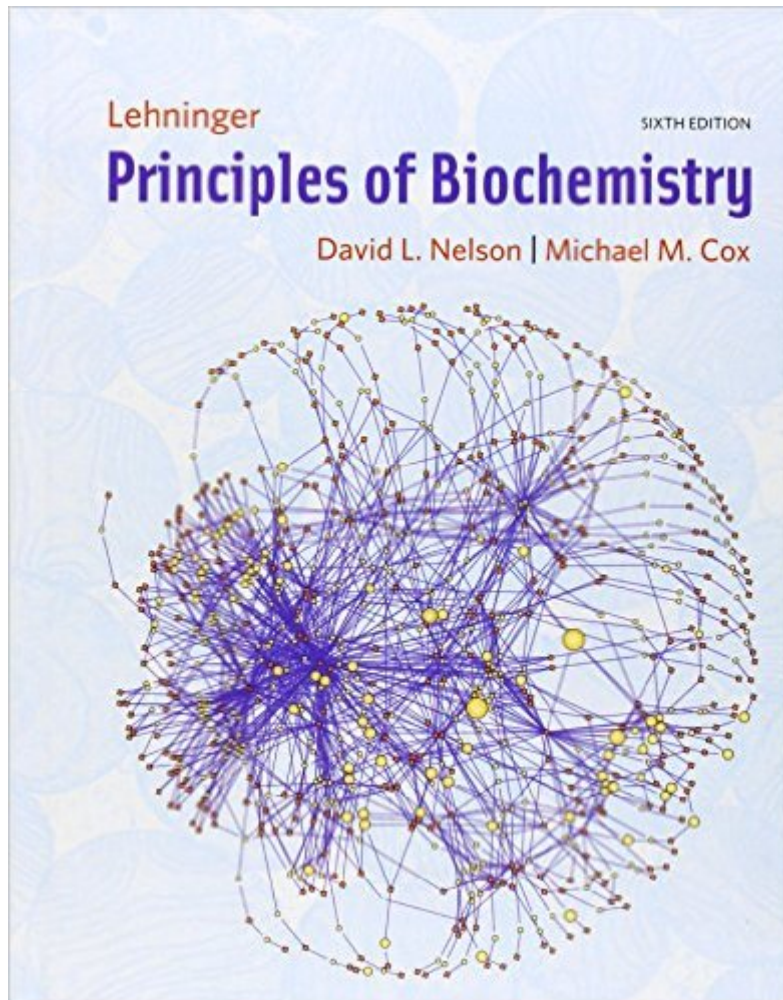


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Lehninger Principles Of Biochemistry



Synopsis

Clear writing and illustrationsâ |Clear explanations of difficult conceptsâ |Clear communication of the ways in biochemistry is currently understood and practiced. For over 35 years, in edition after bestselling edition, Principles of Biochemistry has put those defining principles into practice, guiding students through a coherent introduction to the essentials of biochemistry without overwhelming them. The new edition brings this remarkable text into a new era. Like its predecessors, Lehninger Principles of Biochemistry, Sixth Edition strikes a careful balance of current science and enduring concepts, incorporating a tremendous amount of new findings, but only those that help illustrate biochemistryâs foundational principles. With this edition, students will encounter new information emerging from high throughput DNA sequencing, x-ray crystallography, and the manipulation of genes and gene expression, and other techniques.Â In addition, students will see how contemporary biochemistry has shifted away from exploring metabolic pathways in isolation to focusing on interactions among pathways.Â They will also get an updated understanding of the relevance of biochemistry to the study of human disease (especially diabetes) as well as the important role of evolutionary theory in biochemical research. These extensive content changes, as well as new art and powerful new learning technologies make this edition of Lehninger Principles of Biochemistry the most impressive yet.Â SeeÂ what's in theÂ LaunchPad

Book Information

Series: Lehninger Principles of Biochemistry

Hardcover: 1340 pages

Publisher: W.H. Freeman; 6 edition (November 21, 2012)

Language: English

ISBN-10: 1429234148

ISBN-13: 978-1429234146

Product Dimensions: 8.8 x 1.9 x 11 inches

Shipping Weight: 6.2 pounds (View shipping rates and policies)

Average Customer Review: 3.9 out of 5 starsÂ Â See all reviewsÂ (119 customer reviews)

Best Sellers Rank: #3,334 in Books (See Top 100 in Books) #1 inÂ Books > Engineering & Transportation > Engineering > Bioengineering > Biochemistry #7 inÂ Books > Science & Math > Chemistry #18 inÂ Books > Textbooks > Science & Mathematics > Biology & Life Sciences

Customer Reviews

Let me start out by stating that I am taking auto-tutorial biochemistry at my university. The book is

essential to the course. We don't have a professor per se, but rather a test center and some online materials. I am so glad this was the book recommended for use. I did not do so well in organic chemistry. I certainly passed, but the concepts did not stick. This book explains the principles of biochemistry extremely clearly. It reinforces these principles over and over. The order is excellent. While most books immediately lay down foundations and work up, this book goes beyond. It lays the foundations, builds a layer, reinforces the existing foundation, builds another layer, and reinforces any cracks or holes that may have popped up in the foundation once more. The illustrations are clear. If you don't get Figure X-1, then Figure X-2 will likely clear things up for you. Each figure is clearly explained. All angles are approached. There are no holes for students to fall through and miss something, doomed to be completely clueless for the rest of the semester. A lot of textbooks have a habit of leaving traps in the forms of missed concepts, ideas that were not thoroughly explained, and when there is a hole in the foundation, the rest of the semester becomes swiss cheese. If you don't understand nucleophilic attack in organic chemistry, you will probably not understand SN1 or SN2 reactions, and if you don't understand resonance structures, you will not understand aromaticity. In this text, there is no swiss cheese. You will learn and understand biochemistry. You will read along and understand. Key terms are bolded. Figures are given in red text and explained in clear captions. Real-life important examples are given to help reinforce material.

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