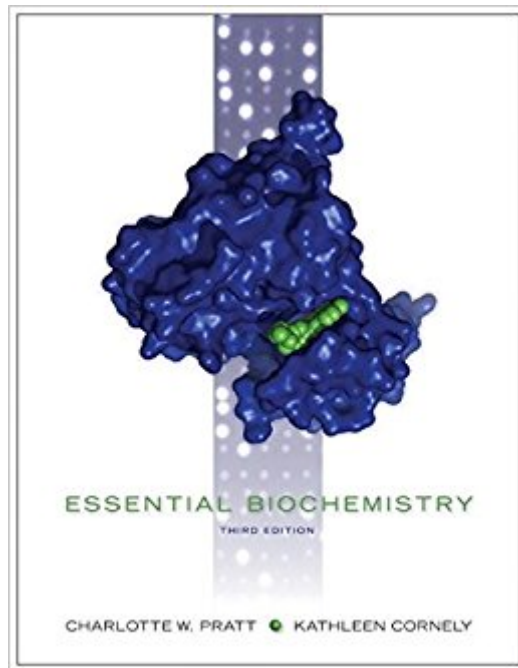




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Essential Biochemistry



Synopsis

Essential Biochemistry, 3rd Edition is comprised of biology, pre-med and allied health topics and presents a broad, but not overwhelming, base of biochemical coverage that focuses on the chemistry behind the biology. Furthermore, it relates the chemical concepts that scaffold the biology of biochemistry, providing practical knowledge as well as many problem-solving opportunities to hone skills. Key Concepts and Concept Review features help students to identify and review important takeaways in each section.

Book Information

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Carry only what you need Keep everything in one place The images on the cover represent the scope of modern biochemistry, which seeks to characterize the molecules and reactions of life. In all organisms, genetic information;in the form of a sequence of nucleotides in DNA;is selectively expressed, as shown by the lighted spots of the DNA microarray in the background. Genetic information directs the synthesis of proteins. Each protein has a unique shape that can be visualized in three dimensions, as depicted by the blue surface model, and also has a unique metabolic function. For example, the protein shown on the cover is an enzyme whose activity contributes to the uncontrolled growth of cancer cells. Biochemists build on their knowledge of molecular structure and function to design compounds that can selectively interact with proteins in order to modulate their behavior. In this example (discussed in Box 10-B on page 280), the drug imatinib is shown as a green shape that fits snugly into the active site of the enzyme, blocking its

activity and thereby inhibiting cancer growth. Appreciating the structures and functions of biological molecules requires more than looking at pictures or reading about them. This book is designed not only to present information but also to help students develop the ability to answer questions, creating opportunities for them to explore and discover all aspects of biochemistry. --This text refers to the Loose Leaf edition.

Pratt and Cornely have done the almost impossible. They have put together an informative biochemistry textbook that is very well designed and will not overwhelm students in a 1 semester course. The boxed Biochemistry Notes, Problems and Answers, and Clinical Connections are definite pluses, as well as the well thought out end-of-chapter question sets. I wish the publisher would make the book-related online material available to all those who have purchased a copy of the book. Content on the WileyPlus site appears to be available only to instructors and students registered for a course. Those who bought the book for self-study are out-of-luck. That is unfortunate, as this is an excellent text for self-study.

If you are using Lehninger buy this one too. It's not quite as comprehensive but it's actually possible to make sense of the topics with this book. Lehninger is clearly written by talented scientists but they are not so talented in the teaching and writing aspects of their business. This book is solid on the science and very well written.

What can u say

The Essential Biochemistry textbook is actually very well put together. The authors did a great job explaining many things, however there are a few areas that were lacking in detail, which is why I gave it four stars. This book is great if you don't need extremely detailed explanations, but for someone like me who can only really understand concepts if they are fully and completely explained then I would supplement this book with another. Right now I'm waiting for the 2004 edition of Lehninger (I chose the older edition because of price). I heard it is much more detailed. Overall the textbook serves its purpose and the writing isn't dry and is actually quite interesting. For someone who was dreading taking biochem this textbook has been great!

The book arrived in great condition, however, the class was a nightmare. Two hour long exams, 70 questions at a minimum, made it unbearable. I blame my professors terrible teaching strategies for

this. Any who, the book is helpful though. It has a lot of figures and really walks you through a lot of molecular mechanisms and cycles. For example, the book breaks down each reaction of Glycolysis and the Citric Acid Cycle into individual paragraphs.

I really liked this text. It was quite a bit more technical and exact than the class I used it for, but it was nice when I was curious about how something worked or didn't understand it from lecture. Definitely an intro type of text. For me there was a lot of review from high school in it, but it did go more in depth. This is more of a biological perspective on biochemistry than a chemical perspective.

Biochem haven't change much. This book here supply all the information you need just like the newer edition. Its just a money thing for professor and the publishing company for newer edition

Has been very useful for my Chem 448 class at Cal State Long Beach. I'm taking biochemistry and I like having this book as a reference. There are lots of practice problems, a glossary, and pictures.

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