

Biophysical Chemistry



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在线阅读本书

Biophysical Chemistry presents physical chemistry through the use of biological and biochemical topics, examples, and applications to biochemistry. It presents a rigorous, up to date treatment of the material without presuming unrealistic prior knowledge of math theory. Necessary calculus models are laid out in a step by step fashion for students less confident in their math abilities. The format of the text allows teachers ample flexibility in deciding which derivations to present in class. Students are guided through an in depth understanding of fundamental concepts such as a quantum mechanical description of the hydrogen atom and techniques are presented with an emphasis on learning through analysis of real data. Cases are drawn from timely research areas in biochemistry using an integrated approach to problem solving. Every chapter features important recent advances in biochemistry, an examination of current research problems, math and derivation boxes to guide students, and examples of both numerical and concept based problems.

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