



## Introduction to Biochemistry (India Edition)

By Mary K. Campbell, Shawn O. Farrell

Brooks Cole/Cengage Learning, 2011. Softcover. Book Condition: New. First edition. More readable illustrations throughout the text with updated labeling enhance students' ability to comprehend the information \* Biochemical Connections highlight special topics of particular interest to students. They show how biochemistry topics relate to the real world and affect areas such as allied health, sports medicine, and biotechnology \* An earlier introduction to thermodynamics in this edition emphasizes the importance of understanding this driving force in biological processes \* Students quickly see how much of biology, such as protein folding, protein-protein interactions, and small molecule binding, is influenced by the favorable disordering of water molecules

Preface 1. Biochemistry and the Organization of Cells 2. Water: The Solvent for Biochemical Reactions 3. Amino Acids and Peptides 4. The Three-Dimensional Structure of Proteins 5. Protein Purification and Characterization Techniques 6. The Behavior of Proteins: Enzymes 7. The Behavior of Proteins: Enzymes, Mechanisms, and Control 8. Lipids and Proteins are Associated in Biological Membranes 9. Nucleic Acids: How Structure Conveys Information 10. Biosynthesis of Nucleic Acids: Replication 11. Transcription of the Genetic Code: The Biosynthesis of RNA 12. Protein Synthesis: Translation of the Genetic Message 13. Nucleic Acid Biotechnology Techniques 14. Viruses, Cancer, and...



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