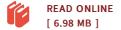


Concepts in Biochemistry

By Boyer, Rodney F.

Wiley, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: PART I: MOLECULES AND LIFE. 1. Biochemistry: From Atoms to Molecules to Cells. 2. Biomolecules in Water. 3. Amino Acids, Peptides, and Proteins. 4. Protein Architecture and Biological Function. PART II: DYNAMIC FUNCTION OF BIOMOLECULES. 5. Enzymes I: Reactions, Kinetics, and Inhibition. 6. Enzymes II: Coenzymes, Regulation, Abzymes, and Ribozymes. 7. Carbohydrates: Structure and Biological Function. 8. Lipids: Structure and Biological Function. 9. Biological Membranes and Cellular Transport. PART III: STORAGE AND TRANSFER OF BIOLOGICAL INFORMATION. 10. DNA and RNA: Structure and Function. 11. DNA Replication and Transcription: Biosynthesis of DNA and RNA. 12. Translation of RNA: The Genetic Code and Protein Metabolism. 13. Recombinant DNA and Other Topics in Biotechnology. PART IV: METABOLISM AND ENERGY. 14. Basic Concepts of Cellular Metabolism and Bioenergetics. 15. Metabolism of Carbohydrates. 16. Production of NADH and NADPH: The Citric Acid Cycle, the Glyoxylate Cycle, and the Pentose Phosphate Pathway. 17. ATP Formation by Electron-Transport Chains. 18. Metabolism of Fatty Acids and Lipids. 19. Metabolism of Amino Acids and Other Nitrogenous Compounds. 20. Integration, Specialization, and Hormonal Control of Metabolism. SPECIAL TOPICS IN MODERN BIOCHEMISTRY. Special Topic I....



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