



Principles of Biochemistry: Life at the Molecular Level

By Voet, Donald; Voet, Judith G.; Pratt, Charlotte W.

John Wiley & Dons Ltd, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: PART I: INTRODUCTION.Chapter 1. Introduction to the Chemistry of Life. Chapter 2. Water. PART II: BIOMOLECULES. Chapter 3. Nucleotides, Nucleic Acids, and Genetic Information. Chapter 4. Amino Acids. Chapter 5. Proteins: Primary Structure.Chapter 6. Proteins: Three-Dimensional Structure. Chapter 7. Protein Function Part I: Myoglobin and Hemoglobin.Chapter 8. Carbohydrates.Chapter 9. Lipids and Biological Membranes. Chapter 10. Membrane Transport.PART III: ENZYMES.Chapter 11. Enzymatic Catalysis. Chapter 12. Enzyme Kinetics, Inhibition, and Regulation.PART IV: METABOLISM.Chapter 13. Biochemical SignalingChapter 14. Introduction to Metabolism.Chapter 15. Glucose Catabolism. Chapter 16. Glycogen Metabolism and Gluconeogenesis. Chapter 17. Citric Acid Cycle. Chapter 18. Electron Transport and Oxidative Phosphorylation. Chapter 19. Photosynthesis. Chapter 20. Lipid Metabolism. Chapter 21. Amino Acid Metabolism.Chapter 22. Mammalian Fuel Metabolism: Integration and Regulation. Chapter 23. Nucleotide Metabolism.PART V: GENE EXPRESSION AND REPLICATION.Chapter 24. Nucleic Acid Structure.Chapter 25. DNA Replication, Repair, and Recombination. Chapter 26. Transcription and RNA Processing. Chapter 27. Translation.Chapter 28. Regulation of Gene Expression.Chapter 29. Protein Function Part II: Cytoskeletal and Motor Proteins and Antibodies. Appendix. Bioinformatics Exercises. Answers to Bioinformatics Exercises Solutions to Problems Glossary Guide

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