



Cell and Molecular Biology: Concepts and Experiments

By Karp, Gerald

Wiley, 2004. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 1. Introduction to the Study of Cell Biology.1.1The Discovery of Cells.1.2Basic Properties of Cells.Cells are Highly Complex and Organized.Cells Possess a Genetic Program and the Means to Use It.Cells Are Capable of Producing More of Themselves.Cells Acquire and Utilize Energy. Cells Carry Out a Variety of Chemical Reactions. Cells Engage in Numerous Mechanical Activities. Cells Are Able to Respond to Stimuli. Cells Are Capable to Self-Regulation 61.3Two Fundamentally Different Classes of Cells.Characteristics That Distinguish Prokaryotic and Eukaryotic Cells. Types of Prokaryotic Cells. Types of Eukaryotic Cells:? Cell Specialization.THE HUMAN PERSPECTIVE: THE PROSPECT FOR CELL REPLACEMENT THERAPY. The Sizes of Cells and Their Components.1.4Viruses.Viroids.EXPERIMENTAL PATHWAYS:? THE ORIGIN OF EUKARYOTIC CELLS.2The Chemical Basis of Life.2.1Covalent Bonds.Polar and Nonpolar Molecules.Ionization.THE HUMAN PERSPECTIVE: FREE RADICALS AS A CAUSE OF AGING.2.2Noncovalent Bonds.Ionic Bonds: Attractions Between Charged Atoms. Hydrogen Bonds. Hydrophobic Interactions and van der Waals Forces. The Life-Supporting Properties of Water.2.3Acids, Bases, and Buffers.2.4The Nature of Biological Molecules.Functional Groups.A Classification of Biological Molecules by Function.2.5Four Types of Biological Molecules.Carbohydrates.Lipids.Proteins.THE HUMAN PERSPECTIVE: PROTEIN FOLDING CAN HAVE DEADLY CONSEQUENCES Nucleic Acids 2.6The Formation of Complex

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This written book is excellent. It really is rally fascinating through studying period. You are going to like the way the writer write this publication.

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-- Deshawn Roob

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