

Macromolecules Study Guide

Macromolecules Study Guide Answer Key

Carbohydrates

Function- provide quick energy for cells

Monomers- monosaccharides

Polymers- disaccharides, polysaccharides

Examples- glucose, cellulose, lactose

Making and Breaking Polymers

Dehydration synthesis-
Builds polymers from monomers by removing the equivalent of a water molecule.
*synthesis = to make
Hydrolysis-
Breaking polymers by adding water
*lysis = break

Proteins

Function- structure, speed of chemical reactions, transport materials

Monomers- amino acids

Polymers- polypeptides, held together by peptide bonds

Examples- enzymes, protein pumps, keratin, hemoglobin

Lipids

Function- store energy long term

Monomers- glycerol and fatty acids

Polymers- triglycerides

Examples- fats, oils, waxes, steroids, cholesterol

Nucleic acids

Function- store and transmit genetic information

Monomers- nucleotides

Polymers- nucleic acids

Examples- DNA, RNA

Levels of Protein Structure

Primary- order of amino acids

Secondary- alpha helix or beta pleated sheet

Tertiary- 3D folded protein

Quaternary- more than one polypeptide chain

Macromolecule Study Guide

Anna P. Ciulla, Georganne K. Buescher

Macromolecule Study Guide:

Life Study Guide David E. Sadava, Gordon H. Orians, Craig Heller, William K. Purves, 2006-12-22 Especially helpful for AP Biology students each chapter of the study guide offers a variety of study and review tools The contents of each chapter are broken down into both a detailed review of the Important Concepts covered and a boiled down Big Picture snapshot The guide also covers study strategies common problem areas and provides a set of study questions both multiple choice and short answer [Life: The Science of Biology Study Guide](#) William K. Purves, Edward Dzialowski, Lindsay Goodloe, Betty McGuire, Nancy Guild, Paula Mabee, 2003-12-26 New edition of a text presenting underlying concepts and showing their relevance to medical agricultural and environmental issues Seven chapters discuss the cell information and heredity evolutionary process the evolution of diversity the biology of flowering plants and of animals and ecology and biogeography Topics are linked by themes such as evolution the experimental foundations of knowledge the flow of energy in the living world the application and influence of molecular techniques and human health considerations Includes a CD ROM which covers some of the subject matter and introduces and illustrates 1 700 plus key terms and concepts Annotation copyrighted by Book News Inc Portland OR [Self Study Guide for PVT 2022](#) Arihant Experts, 2021-09-02 1 All India Pre Veterinary Test Entrance Examination is prepared for the entrance of the VET 2 The Guide is divided into 4 main sections 3 Complete Study Material as per prescribed syllabus Pattern by AIPVT 4 Previous Years Solved Papers for practice 5 Division of chapters strictly based on the latest syllabus 6 Step by step guidance is provided for better understanding of the concepts To succeed in the AIPVT Examination grab your copies of Self Study Guide PVT All India Pre Veterinary Test a revised edition that has been prepared exactly on the lines of pattern Level and syllabi of the exam Its approach has been kept simple and lucid presented in a Step by Step manner for complete grasp of the content This guide divides the whole syllabus into 4 major categories and every chapter is provided with ample exercises for practice Lastly Previous Years Papers are incorporated to make students familiar with exact examination pattern and trends Enough practice done through this book students will score high with good ranking TOC AIPVT Solved Paper 2021 2018 Physics Chemistry Botany Appendix **Study Guide for Use with Biology for the Informed Citizen** Sharon Gilman, 2014-01-14 Designed to work with Biology for the Informed Citizen by Donna M Bozzone and Douglas S Green this Study Guide provides students with brief summaries and step by step analyses of each chapter additional review questions and thoughtful advice and study tips The Study Guide is authored by Sharon Gilman who is also the author of the book s test item file a resource for instructors that includes over 1200 questions for easy student evaluation **What Is Life? A Guide to Biology W/Prep-U** Jay Phelan, 2009-04-30 Jay Phelan s What is Life A Guide to Biology is written in a delightfully readable style that communicates complex ideas to non biology majors in a clear and approachable manner After reading Phelan s book students will understand why they would want to know and talk about science His skillful style includes asking stimulating questions called Q questions which encourage the student to keep

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Table of Contents Macromolecule Study Guide

1. Understanding the eBook Macromolecule Study Guide
 - The Rise of Digital Reading Macromolecule Study Guide
 - Advantages of eBooks Over Traditional Books
2. Identifying Macromolecule Study Guide
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Macromolecule Study Guide
 - User-Friendly Interface
4. Exploring eBook Recommendations from Macromolecule Study Guide
 - Personalized Recommendations
 - Macromolecule Study Guide User Reviews and Ratings
 - Macromolecule Study Guide and Bestseller Lists

5. Accessing Macromolecule Study Guide Free and Paid eBooks
 - Macromolecule Study Guide Public Domain eBooks
 - Macromolecule Study Guide eBook Subscription Services
 - Macromolecule Study Guide Budget-Friendly Options
6. Navigating Macromolecule Study Guide eBook Formats
 - ePub, PDF, MOBI, and More
 - Macromolecule Study Guide Compatibility with Devices
 - Macromolecule Study Guide Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Macromolecule Study Guide
 - Highlighting and Note-Taking Macromolecule Study Guide
 - Interactive Elements Macromolecule Study Guide
8. Staying Engaged with Macromolecule Study Guide
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Macromolecule Study Guide
9. Balancing eBooks and Physical Books Macromolecule Study Guide
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Macromolecule Study Guide
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Macromolecule Study Guide
 - Setting Reading Goals Macromolecule Study Guide
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Macromolecule Study Guide
 - Fact-Checking eBook Content of Macromolecule Study Guide
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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