

Macromolecules

Directions: Read the passage and complete the class activity about macromolecules. Use the terms in the word bank.

triglycerides	membrane	polymers	
amino	biological	plants	biomolecules
atoms	organic	hydrophobic	energy
genetic	molecule	compounds	

Macromolecules are large _____ consisting of thousands of covalently bonded _____, sometimes over 10,000.

Four Types of Macromolecules

The four main types of _____ macromolecules are carbohydrates, proteins, lipids, and nucleic acids. These large molecules are necessary for life and are built upon smaller _____ molecules.

Carbohydrates

Carbohydrates are _____ made of carbon, oxygen, and hydrogen. They are categorized as monosaccharides, disaccharides, and polysaccharides. Starch, vegetables, milk, sugar, and fruit all contain carbohydrates. Carbohydrates are utilized as an _____ source for living things.

Proteins

Proteins are polymers made of _____ acids, including the carboxyl and the amino groups. There would be no lipids or carbohydrates without proteins because the enzymes used for their synthesis are proteins. Proteins consist of many different amino acids linked together. There are 20 different amino acid building blocks, hence acids are found in meats and _____. They are necessary for tissue and cell growth. Proteins are found in meat, dairy products, eggs, seeds, and nuts.



Page 11



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Cloze Paragraph For Macromolecule

Katrin Zwirgmaier



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Table of Contents Cloze Paragraph For Macromolecule

1. Understanding the eBook Cloze Paragraph For Macromolecule
 - The Rise of Digital Reading Cloze Paragraph For Macromolecule
 - Advantages of eBooks Over Traditional Books
2. Identifying Cloze Paragraph For Macromolecule
 - 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 Cloze Paragraph For Macromolecule
 - User-Friendly Interface
4. Exploring eBook Recommendations from Cloze Paragraph For Macromolecule
 - Personalized Recommendations
 - Cloze Paragraph For Macromolecule User Reviews and Ratings
 - Cloze Paragraph For Macromolecule and Bestseller Lists
5. Accessing Cloze Paragraph For Macromolecule Free and Paid eBooks
 - Cloze Paragraph For Macromolecule Public Domain eBooks
 - Cloze Paragraph For Macromolecule eBook Subscription Services
 - Cloze Paragraph For Macromolecule Budget-Friendly Options

-
6. Navigating Cloze Paragraph For Macromolecule eBook Formats
 - ePub, PDF, MOBI, and More
 - Cloze Paragraph For Macromolecule Compatibility with Devices
 - Cloze Paragraph For Macromolecule Enhanced eBook Features
 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Cloze Paragraph For Macromolecule
 - Highlighting and Note-Taking Cloze Paragraph For Macromolecule
 - Interactive Elements Cloze Paragraph For Macromolecule
 8. Staying Engaged with Cloze Paragraph For Macromolecule
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Cloze Paragraph For Macromolecule
 9. Balancing eBooks and Physical Books Cloze Paragraph For Macromolecule
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Cloze Paragraph For Macromolecule
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Cloze Paragraph For Macromolecule
 - Setting Reading Goals Cloze Paragraph For Macromolecule
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Cloze Paragraph For Macromolecule
 - Fact-Checking eBook Content of Cloze Paragraph For Macromolecule
 - 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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