

Macromolecules Exit Quiz

I. Multiple Choices

1. The breakdown of polymers into monomers occurs through a process known as _____.
 - a) hydrolysis
 - b) denaturation
 - c) condensation reaction
 - d) dehydration synthesis

2. What is the function of a carbohydrate?
 - a) Quick energy
 - b) Movement
 - c) Stores genetic information
 - d) Speeds up reactions

3. Which of the following is a characteristic of lipids?
 - a) They are composed of nitrogenous chains.
 - b) They are polar molecules.
 - c) They are either fats or oils.
 - d) They are not soluble in water.

4. Which of the following bonds are formed between the amino acids?
 - a) Glycosidic linkages
 - b) Hydrogen bonds
 - c) Ester linkage
 - d) Peptide bonds

5. Which of the following macromolecules contains C, H, O, N and P?
 - a) Amino acids
 - b) Hormones
 - c) Nucleic acids
 - d) Carbohydrates

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II. Match each description with the correct macromolecules

Macromolecule	Description
_____ 1. Lipid	A. Steroids and cholesterol molecules.
_____ 2. Nucleic acid	B. It helps provide the shape of plant cell.
_____ 3. Protein	C. Contain the genetic information.
_____ 4. Carbohydrate	D. Speed up and slow down the biochemical reactions.

III. List four of the Protein's functions in the living organisms.

IV. What are the structural differences between a saturated and an unsaturated fatty acids?
