

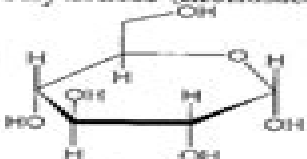
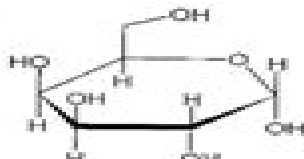
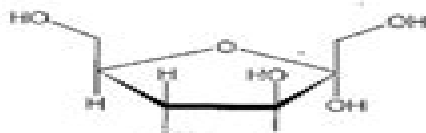
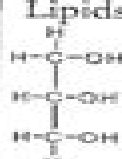




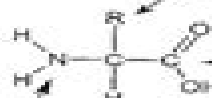
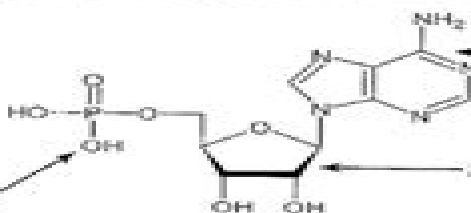
Biological Molecules

What are the building blocks of life?

Why?

From the smallest single-celled organism to the tallest tree, all life depends on the properties and reactions of four classes of **organic** (carbon-based) compounds—**carbohydrates**, **lipids**, **proteins**, and **nucleic acids**. These organic molecules are the building blocks of all living things, and are responsible for most of the structure and functions of the body, including energy storage, insulation, growth, repair, communication, and transfer of hereditary information. Simple organic molecules can be joined together to form all the essential biological molecules needed for life.

Model 1 – Molecules of Life

Carbohydrates (monosaccharides)		
		
Glucose	Galactose	Fructose
Lipids		
		
Glycerol	Fatty acids	Triglyceride (fat or oil)
Proteins (amino acids)		
		
Alanine	Cysteine	Variable R side chain Amine group Carboxylic acid group
Nucleic acids (nucleotides)		
		
Phosphate group	Sugar	Nitrogen base

Biological Molecule Review Guide Answer

David R. Klein



Biological Molecule Review Guide Answer:

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