

Name _____ answer key _____ Date _____

Macromolecules

Classify each as a carbohydrate, protein, or lipid!

Polysaccharide	<u>Carbohydrates</u>	Starch	<u>Carbohydrates</u>
Phospholipid	<u>Lipid</u>	Cholesterol	<u>Lipid</u>
Glycerol	<u>Lipid</u>	Steroid	<u>Lipid</u>
Monosaccharide	<u>Carbohydrates</u>	Glycogen	<u>Carbohydrates</u>
Cellulose	<u>Carbohydrates</u>	Glucose	<u>Carbohydrates</u>
amino acid	<u>Protein</u>	saturated fat	<u>Lipid</u>
unsaturated fatty acid	<u>Lipid</u>	polypeptide chain	<u>Protein</u>

Identify the specific molecule (use the above terms) from each description.
Some terms may be used more than once.

Protein provides long-term energy storage for animals

Carbohydrates provides immediate energy

Lipids sex hormones

Carbohydrates provides short-term energy storage for plants

Protein animal and plant structures

Lipids forms the cell membrane of all cells

Protein speeds up chemical reactions by lowering activation energy

Carbohydrates one sugar

Protein monomer of proteins

Carbohydrates provides long-term energy storage for plants

Lipids steroid that makes up part of the cell membranes

Glycerol 3-carbon "backbone" of a fat

Carbohydrates provides short-term energy storage for animals

Carbohydrates many sugars

Carbohydrates forms the cell wall of plant cells