Macromolecules Worksheet
Carbohydrates are classified by
The most common simple sugars are glucose, galactose, and fructose, made of a single sugar molecule. These can be classified as
Sucrose and are classified as disaccharides, made of two monosaccharides joined by a dehydration reaction.
The most complex carbohydrates are starch,, and cellulose, classified as
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Lipids most abundant form are
Triglycerides building blocks are 1 and 3 per molecule.
If a triglyceride only contains bonds that contain the maximum number of, then it is classified as a saturated fat.
If a triglyceride contains one or more bonds, it is classified as an unsaturated fat.
Lipids are also responsible for a major component of the cell membrane wall that is both attracted to and repelled by
The tail of this structure is made of 2 that are water insoluble (hydrophobic).
The head of this structure is made of a single that is water soluble (hydrophilic).
Proteins are building blocks of amino acids held together by bonds. These covalent bonds link the amino end of one amino acid with the carboxyl end of another.
Nucleic Acids are polymers made of building blocks called
There are two types of nucleic acids.
is composed of nucleotides that have ribose sugar.
is composed of nucleotides that have deoxyribose sugar.

Date:_____

Name : ______

Name :	Date:
Macromole	ecules Worksheet
Carbohydrates are classified by chemical	Answers structure and composition
molecule. These can be classified as mone	se, galactose, and fructose, made of a single sugar saccharide .
Sucrose and <u>lactose</u> are classified as disdehydration reaction.	accharides, made of two monosaccharides joined by a
The most complex carbohydrates are starch polysaccharide	, glycogen, and cellulose, classified as
Lipids most abundant form are triglyceric	des .
Triglycerides building blocks are 1 glycerol	and 3 <u>fatty acid</u> per molecule.
If a triglyceride only contains <u>single</u> bor atoms , then it is classified as a saturate	ds that contain the maximum number of <u>hydrogen</u> d fat.
If a triglyceride contains one or moredou	ble bonds, it is classified as an unsaturated fat.
Lipids are also responsible for a major compand repelled by <u>water</u> .	oonent of the cell membrane wall that is both attracted to
The tail of this structure is made of 2fatty	acid that are water insoluble (hydrophobic).
The head of this structure is made of a single (hydrophilic).	e glycerol molecule that is water soluble
Proteins are building blocks of amino acids bonds link the amino end of one amino acid	held together by <u>peptide</u> bonds. These covalent d with the carboxyl end of another.
Nucleic Acids are polymers made of building	g blocks called <u>nucleotide</u> .
There are two types of nucleic acids.	
RNA is composed of nucleotides that	have ribose sugar.
DNA is composed of nucleotides that	have deoxyribose sugar.