

Name: \_\_\_\_\_

Period: \_\_\_\_\_

## Macromolecules Worksheet

1. Explain how monomers are related to polymers.

2. Match the MONOMER on the left to the macromolecules on the right.

Fatty acids and glycerol	_____	A. Protein
Monosaccharide	_____	B. Lipid
Nucleotide	_____	C. Nucleic acid
Amino acid	_____	D. Carbohydrate

3. Match the POLYMER on the left to the macromolecules on the right.

DNA	_____	A. Protein
Enzyme	_____	B. Lipid
Triglyceride	_____	C. Nucleic acid
Polysaccharide	_____	D. Carbohydrate

4. Match the MONOMER on the left to the POLYMER on the right.

Fatty acids and glycerol	_____	A. Polysaccharide
Monosaccharide	_____	B. RNA
Nucleotide	_____	C. Enzyme
Amino acid	_____	D. Phospholipid

5. Match the MONOMER on the left to the POLYMER on the right.

Fatty acids and glycerol	_____	A. Enzyme
Glucose	_____	B. Triglyceride
Nucleotide	_____	C. Starch
Amino acid	_____	D. DNA


6. Match the MONOMER on the left to the POLYMER on the right.

Amino acid	_____	A. Glycogen
Nucleotide	_____	B. Phospholipid
Monosaccharide	_____	C. Protein
Fatty acids and glycerol	_____	D. DNA

7. Match the POLYMER on the left to the macromolecules on the right.

Cholesterol	_____	A. Protein
Enzyme	_____	B. Nucleic Acid
RNA	_____	C. Carbohydrate
Cellulose	_____	D. Lipid

8-18. Complete the chart below. Remember *mono* means one and *poly* means many.

MACROMOLECULES	FOOD EX.	MONOMER	POLYMER
Carbohydrates			
Lipids			
Proteins			
Nucleic Acids			

Macromolecule	Function	Monomer (subunit)	Examples