

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