## **Nucleic Acids**

Monomers:	
	Nucleic acids are made up of a
, a	and a
Draw the basic structure of a n	ucleic acid monomer (textbook page 55):
Polymer: Draw the basic structure for the RNA	e polymers: DNA
Ribonucleic Acid	Deoxyribonucleic Acid
Review:	
What elements are four	nd in nucleic acids?
2. What is the purpose/fun	ection of nucleic acids in organisms?
3. Where in the body do n	ucleic acids get digested? (textbook pages 932-934)

Biologist: _	
Date:	Period:

## Macromolecules of Life

- 1. Why are macromolecules important to all organisms?
- 2. How do polymers form?
- 3. How do polymers break apart?
- 4. Why do we need them to form and break apart to stay alive?

Carbohydrates Monomers:	Polymers: The name of the protein's polymer is
Carbohydrates are made of	Draw the polymer below (textbook page 57):
Draw the main monosaccharide (glucose - textbook page 53):	
What is the ratio of C:H:O in carbohydrates?	Review: 1. What elements are found in proteins?
What does that ratio mean?	2. What is the purpose/function of proteins in organisms?
	3. Where in the body do proteins get digested? (textbook pages 932-934)

Proteins  Monomer: Proteins are made of		<b>Polymers:</b> The name of carbohydrate's polymer is	
Draw a generic structure of a pro	otein monomer (textbook page 55):	Draw the polymer (ex: starch - textbook page 53):	
	ne following monomers. Label the oxylic acid group. (Textbook page	Review:  1. What elements are in carbohydrates?	
Alanine	Serine		
		What is the purpose/function of carbohydrates in organisms?	
Tyros	ine	O Maria de la la la carda de l	
		<ol><li>Where in the body do carbohydrates get digested? (textbook pages 932-934)</li></ol>	

Lipids  Monomers: Common lipids are composed of two parts and  Draw and label the 2 components of a common lipid: (textbook page 54)		Polymers: - Lipids do not form polymers in the same way as carbohydrates, proteins, and nucleic acids do. The largest lipid molecules are triglycerides.  Draw a triglyceride:	
		Review: 1. What elements are found in lipids?	
Oire on everale of a		What are the functions of a lipid in an organism?	
textbook page 55)	ach type of lipid: (read on		
Saturated:	Unsaturated:		
Polyunsaturated:	Phospholipid: (pg. 268 - cell membrane)	<ol> <li>Where in the body do lipids get digested? (textbook pages 932-934)</li> </ol>	