## Organic Chemistry - Chapter 2 Sections 1 and 3

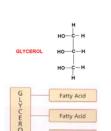
Macromolecules – Part 2

**AKA Carbon Compounds** 

- A) Identify the function and building blocks of each macromolecule
- B) Analyze a day of personal diet explain whether or not it is healthy.
- C) Create a meal plan with given limits that incorporates all of the macromolecules.

Δ١Ι	dentify the	function	and huil	dina block	e of bach	macromolecu	حا

2. \_\_\_\_\_



Building blocks =
 and

• Functions:
Store

coverings (\_\_\_\_\_\_),
Part of biological

A)	Identify	the fun	ction and	d buildina	blocks o	f each	macromo	lecule

1		
ㅗ.		

• Building blocks =

•	Consist of	,	H <sub>C</sub> O	H <sub>C</sub> O	H-Ç-OH
			H-C-OH	H-C-OH	¢ o
		and	OH C H	OH C H	OH C H
			H-C-OH	OH C H	H-¢-OH
			H C OH	H-C-OH	H C OH
		·	H C OH	H-C-OH	H C OH
_	E contra con tala		H	Ĥ	H
•	Function = provide		Glucose	Galactose	Fructose

-	 _	-	-	-	

A) Identify the function and building blocks of each macromolecule

3	

Side chain

- Building blocks = \_\_\_\_\_\_
- The side chain can vary called

• \_\_\_\_\_ different 'R' groups = \_\_\_\_\_.

activity affects protein

Function: Control \_\_\_\_\_ in body, fight\_\_\_\_\_\_, build

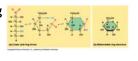
A) Identify the function and building blocks of each macromolecule

• \_\_\_\_\_\_ : Chain and Ring

• \_\_\_\_\_\_ (and other monosaccharide) chains bend form rings.

Many monosaccharides =

right)



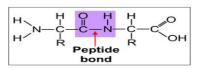
Monosaccharide + Monosaccharide = \_\_\_\_\_ like



	CH <sub>1</sub> OH H		)H H	OH
	H H O O OH	11 11	O OH	H.H.
1	O OH HAT HAT	0 0 OH	₩₩.	•o^o′

A) Identify the function and building blocks of each macromolecule

_		and	
•		_ Bond = Links	
•	Protein chains =amino acids.	to	 of
•	Called		
	because of the many _ link them.		bonds that



A) Identify the function and building blocks of each macromolecule

	4.		
•	Building Blocks =		Nitrogenous base
•	Contains	Phosphate group	
	and	O   O   CH <sub>2</sub>	N
•	Function = Transmit	4	
	information,	ОН	OH in RNA

Predict at least 3 foods for each of the following. Think about the food labels from yesterday.

Carbohydrates	Protein	Lipids	Nucleic Acids

## **Graphic Organizer on Next Page**

Given the clue, identify the macromolecule.

- 1. Stores energy
- 2. Builds muscle
- 3. Amino Acids
- 4. Hereditary Info
- 5. Monosaccharides
- 6. Fights disease
- 7. Provides energy
- 8. DNA or RNA
- 9. Controls reaction rates

## A) Identify the function and building blocks of each macromolecule

