Organic Compounds Lecture Notes

Fill out the study sheet and put it in your binder. It will help you later in the week with the review questions and to study for the test. This is the study sheet for all of the lectures this week.

Organic C	nemistry		
Organic mea	ans	and is based on the element	·
These molecules form _(number)		bonds that are	type
There are fo	ur organic polymers.		
They are:	1)		
	2		
	3		
	4		
A polymer is	s a	molecule made up of many	
Definitions:			
Polymer			
Monomer _			
Dehydration	1		
Synthesis			
Hydrolysis _			

Carbohydrates

These molecules store energy as	or	They form
	structures.	
Monosaccharide's		
Disaccharides		
Definitions:		
Di		
Mono		
Lipids and Fats		
Lipids and fats store	, make	, and deal with
Parts: describe and sketch		
Glycerol	_	
Fatty Acid		
Phospholipids		
Define:		
Hydrophobic		

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Hydrophilic	
"Ster"	
Proteins	
Form four things:	
1)	
2)	
3)	
4)	
Amino Acids are a	chain formed of complex molecules. They have four
parts that determine what Amino acid it will be	. The parts are:
1)	
2)	
3)	
4)	
Primary structure is	Secondary
structure has two shapes that help determine tl	he Amino Acid.
Alpha Helix:	
Beta Pleated Sheet:	
Tertiary Structure is the shape.	

Nucleic Acid

Nucleic Acids have two main functions in the cell. They are 1)			and
2) Nucleic Acids are made from		Nucleic Acids are made from	There
are th	ree parts:	1)	
	2)		
	3)		
Sketch	a Nucleotide:		
Nitrog	en Bases		
DNA	Т		
	c		
	Α		
	G		
RNA	U		
	C		
	Α		
	G		

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Shape of DNA is		. The strands have an
	arrangement. This means the strands -	
	-	
Sketch the shape of DNA:		