Stude	nt Name		Period
TOPIO	C: <u>Struc</u>	cture PreAP	OPTION 3: Online
directly structur	on the Cla e and ansv	g your laptop, type in the following link http://tinyurl. uss web page, <u>www.biologybynapier.com</u> . As you con wer the questions on this sheet. You may click on the section has finished, click the blinking arrow at the b	mplete the online tutorial over biochemistry "CC" button to see the words spoken by the
1.		compounds are made up of what main element? bonded to it in organic molecules?	
2.	What bio	molecule is found in bread?	
3.	Describe	the structure of starch.	
4.	Describe	the structure of fats.	
5.	Describe	the interaction when lipids mix with water.	
6.	Protein is	s made up of monomers	
7.	monomer	x, label the name of the monomer that makes up nucler that makes up nucleic acid.	
8.	Build a d	isaccharide. Draw your molecule below, label all the	e parts, and answer the questions.
	a.	What biomolecule did you make?	
	b.	How many sugar units make up a disaccharide?	
	c.	What shape is each sugar unit?	
		Is energy required when your sugar units joined?	
		What is the name of the special type of protein that jo	
	f	Starch is a polysaccharide found in (plant or animals)	while glycogen is a polysaccharide found in

Not on the online tutorial, but you need to know. What elements are found in carbohydrates?

(plants or animals)

9.	Build a	d a triglyceride. Draw your molecule below, label all the parts, and answer the questions.		
	a.	What biomolecule did you make?		
	b.	How many fatty acid chains make up a triglyceride?		
	c.	How would you describe the shape of the fatty acids?		
	d.	Not on the online tutorial, but you need to know. What elements are found in lipids?		
10.	Build a	polypeptide. Draw your molecule below, label all the parts, and answer the questions.		
	a. b.	What biomolecule did you make?		
	c.	Not on the online tutorial, but you need to know. What elements are found in proteins?		
11.	Build A	TP. Draw your molecule below, label all the parts, and answer the questions.		
	a. b. c. d. e. f.	DNA is a polymer of Besides DNA, what is other molecule is made up of nucleotides What base is found in ATP? How many phosphate groups are found in a molecule of ATP? Two long nucleic acids are held together by what type of bonds? Not on the online tutorial, but you need to know. What elements are found in nucleic acids?		