Name_

WTHS Biology Keystone Review

2012-2013

Carbohydrates:

Made of sugars or monosaccharides

Name

BIOLOGICAL MOLECULES. YOU ARE WHAT YOU EAT: BIOLOGY#3 1000年

This worksheet goes with podcast #3 from Crash Course Biology found on youtube

The goals for today's video are 3-fold. We will learn the 3 most important molecules on earth grossest sandwich

obscure scientist who knows a lot about

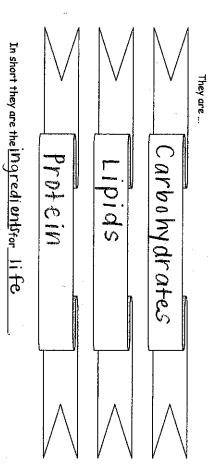
- Video Outline William Prout & Pee Mono& Disaccharides
 Polysaccharides Starch and glycogen phospholipids Cellulose & chitin
- prefix mono poly. meaning 3 Ś

Biological Molecules:

These are the molecules necessary for every living thing on earth to

amino acids polypeptides

steroids



from TMC SUM. Another example is fructose Glucose is perhaps the most important of the monosaccharides its energy comes

Sug ar

Polysaccharides have

M Any In piams ______ en compound on the planet.
It is also the most common organic compound on the planet. In plants CEILLIOSO is the most common structural compound

the form of GIY CO GET which is stored in our muscles for short term storage. Or as FOT for longer term storage. Which brings us to our next biological Starch provides energy for us.. like that found in bread. The energy is stored in molecule, the lipid.

Lipids:

Lipids are polar non-polar Scircle one) and as a result does not mix with water.

They are made of two ingredients; GLYCCTVI and FOHY OUDS

unsaturated fat	saturated fat	type of fat	
liouid	Splid	state at room temp. (solid/liquid/ gas)	

SHIM

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today these Studying

> Lipids Carbohydrates

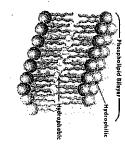
Nucleic Acids

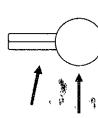
함 this another We'll look at

Proteins



Phosopholipid makes up the Cell Mcmbrane





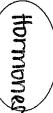
Steroids → Cholesterol → hormones

Proteins:

Extremely complex large molecules such as...



Antibodias



Proteins are made using only 20 different AMINO ACIOLAA.)

Side Chains
When you get a bunch of these amino acids together you make a long change called

POJUPCPTI GES (there's that prefix poly again!)

Triple Decker sandwich:

	TI CS INC	1	
auds	blind 1		
Chiha!	enzymes/	protein	egg
lucery 1 / fath ands	energy	hipid	peanut butter
nonosacharides	energy m	carb	bread
	molecule	contains	
molecule	of biological	molecule it	
uilding blocks of	importance bu	Biological	layer

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