Name	Bloo	ck	Date
N	lacromolecule Guide	d Notes	
What are living things made of?	CHNOP	5	
<ul> <li>6 most common elements:</li> </ul>			
Carbon, Hy	drogen 1	471	ogen, Oxygen
• Where are these elements for	sphorov	LS	salfur de macro molecules
• Where are these elements to	"in large, o	rgan	ic macon molecules
Why is carbon especially important	ortant?	me '	ter magramalecules
What are the four different types of o	organic macromolecule	es?	
proteins, carboni	edrates lipid	طرحا	uclese ecits
How are organic macromolecules		•	
Monomer (Odi	vidual build	lina L	locks, links in a dvin
o Polymer Charl	n of manom	iers	
Draw a picture representing the re	lationship between a m	nonomer	and a polymer:
00		$\bigcirc$	
00			
monomers		poly	mer
How do organisms (like us) obtain the	nese macromolecules?	die	<u>+</u>
Macromolecule (Polymer)			mer mono saccharide
		IVIOITOI	THEI THO THE TOTAL
Monomer Picture	Polymer Picture	ــــــــــــــــــــــــــــــــــــــ	~ ~~
		Z	
• Function(s) _ (mmed)			
• Example(s) cellulos	e, alucose	Sucr	osé, starches
Where do we obtain this in out	' ()		•
		1	

Macromolecule (Polymer) lipids Monomer fatty acids
Monomer Picture  H H H H H  - C - C - C - C - C - H  H H H H H  Fatty acd  Polared  Polared
<ul> <li>Function(s) long term energy storage; cell membranes; insulation</li> <li>Example(s) Fat, Oil, wax, phospholipid</li> <li>Where do we obtain this in our diet? Oil, fat, butter</li> </ul>
Macromolecule (Polymer) <u>Nucleic acids</u> Monomer <u>nucleotide</u>
Monomer Picture  Polymer Picture  Sugar  Polymer Picture
· Function(s) genetic information
• Example(s) DNA RNA
Where do we obtain this in our diet? <u>Evesh</u> foods
Macromolecule (Polymer) Protein Monomer amino acid
Monomer Picture  H  H  OH  Polymer Picture  Polymer Picture  Polymer Picture
· Function(s) structure cell transport (control metabolism)
· Example(s) enzymes cytoskeleton, channel proteins
Where do we obtain this in our diet?      Meat, fish, eggs