Name:	Date:	Mrs. E'Nama, Pd: _
The Molecules of Life		
Part A: Carbon and its Compounds		
Carbon has the ability to bond with time. This ability is the basis for building are molecules composed of only Hyinclude methane and propane. Molecules many different shapes like chains, are molecules with the class we built butane and isobutene to define	large, complex ydrogen and Ca s containing Car same formula b	molecules arbon. Some examples rbon are also able to form , and rings.
All organic compounds begin with a From there we add give the organic compounds their unique group is the -OH, or hydroxyl.	properties. On	skeleton. , groups of atoms that ne example of a functional
Further, all organic compounds are which can be combined into long of To put two monomers together you must called synthemust add in a process called	hains called remove sis. To break tv	in a process wo monomers apart you
Part B: Carbohydrates Carbohydrates are essential for living	ng things becau	se they provide us with
Some examples of	of carbohydrate	es that we eat are
Carbohydrates are composed of basic bui These molecules alway and and	ys contain two f Two con	functional groups:
When two monosaccharides are cor One common disaccharide is sucrose, or t they form a are used to store food in plants and anima plant cell walls.	able sugar. Wh	en even more combine