

LESSON 12

INTRODUCTION TO ORGANIC COMPOUNDS

A. Large, typically	compounds	
B. Contains	, primarily from	things
1. Carbon has	electrons	
2. Allows it to	with other elements in a	of way
3. Excellent	for big, cor	mplex compounds
4. Exceptions:	(like CO ₂) and	(CO ₃ ²⁻)
C. Most contain		
D	: organic compounds containing on	ly and
II. Organic Com	: organic compounds containing on	
II. Organic Com	pounds Have a Unique	
II. Organic Com A. Unique prefixes	pounds Have a Unique	
	pounds Have a Unique	
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II. Organic Companies	pounds Have a Unique	

8.	8:		
9.	9:		
10	. 10:		
B. Ir	nstead of look	ing at subscripts for	of the elements, you just look at the number of
_		in a chain	
C. If	all carbons a	re bonded together because t	hey share a
		(single bond), then the	name of the compound ends in
_	xample: CH ₄	· ·	-
	_	_ carbon, so use the prefix _	
			, so use the suffix
E. E	xample: C ₃ H ₈		
1.	There are	carbons, so use the prefix	
2.	Carbon is bo	onded with a	, so use the suffix
3.	Name:		

A. Organic compounds can become more with whole of other elements 1. Example: Methane becomes methanol a. Methane is b. One atom is replaced with c. Methanol is	by replacing some of the hydrogens

made of smaller molecules	1. Examples: 2. Example: Polyethylene a. Ethylene: b. Poly- means	
made of smaller molecules	c. Methanol is A is a long made of smaller molecules 1. Examples: 2. Example: Polyethylene a. Ethylene: b. Poly- means	
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	2. Example: Polyethylene a. Ethylene: b. Poly- means	
	a. Ethylene: b. Poly- means	
	a. Ethylene: b. Poly- means	
	b. Poly- means	