	ounds ( ents the number of		in a			
single						
	Prefix System o	t Nomenclature				
Prefix	Number	Prefix	Number			
examples: din	itrogen monoxide	<del></del>				
tet	raphosphorus decoxide _	<del></del>				
car	bon dioxide	; carbon monox	ide			
Organic Compol	<u>ınds</u>					
any	any bonded compound containing					
exception of		and				

Note Taking Guide: Episode 602

Name \_\_\_\_\_

Ll. (dnooo	nh an a	Compared of a	nlv	and			
		Composed of o	•				
		ain only			)		
		ntain					
		(					
very_		because of		and	bonds		
		<u>Organ</u>	nic Nomencl	<u>ature</u>			
	Prefix	# of carbon atoms (n)		Prefix	# of carbon atoms (n)		
					.,		
	form	nulas: Alkane =	$C_nH_{2n+2}$	Alkenes =	$C_nH_{2n}$		
examples	s: propar	ne		nane			
		Dute	ene	<del></del>			
		The	Chemistry (	Quiz			
CR	1	CR2	_ 1	<del></del>	2		
		_		_			

Tu thea			مامنطان	na famu	mad ba	<b></b>	' a+ala	10 O 10 100 G	سر مامی	مامحم
In these compounds, which are formed between (metals, nonmetals, metals										
and nonmetals	), the o	toms b	ond to	gether	to form	n (mole	cules, i	ions). I	In mole	cular
compounds,			are	used t	to show	the r	number	of ato	oms of	each
element per m	olecule.	Finish	the cl	nart be	low, list	ting the	e prefix	kes and	the nu	mber
of atoms each	represe	ents:								
Prefix	mono-							octa-		
# of atoms			3			6				
Write the form	nula of	these r	nolecul	ar comp	oounds:					
carbon tetrack	nloride				sulfu	r trioxi	de			
dinitrogen mon	oxide				dinitr	ogen ti	rioxide			
dinitrogen pen	toxide				silico	n dioxid	de			
phosphorus trichloride carbon disulfide										
tetraphosphorus decoxide carbon monoxide										
Organic Compounds—A Special Case of Molecular Compounds										
Organic compounds are now defined as compounds that contain the element										
between each pair of										
carbon atoms in an organic compound will determine whether the compound is										
saturated or unsaturated. The bonds between the carbon atoms in $a(n)$										
compound are single bonds, but in a(n)										
compound, the bonds between neighboring carbon atoms are or										
bonds. The organic compounds containing only hydrogen and										

Worksheet: Molecular Compounds

Name \_\_\_\_

carbon are called			·	$C_nH_{2n}$	+2 <b>is</b>	the ge	eneral	form f	or the	:
series of hydrocarbons. The names of this series are composed										
of a, which denotes the number of carbon atoms present, and the										
suffix	suffix This series of hydrocarbons has only single bonds, and									
so, is said to be $C_nH_{2n}$ is the general form for the class of										
hydrocarbons referi	red to	as the			·	Each n	nember	of this	s series	
has a pair of carbon	atoms	conne	cted by	' a			bond,	and so,	, is said	
to be	A	gain, _	, , , , , ,		are us	ed to d	denote	the nun	nber of	
carbon atoms prese	nt in t	he mol	lecule, c	and all	membe	rs of t	his ser	ies end	l in the	
suffix	·									
Finish the chart below, filling in the missing prefixes and the number of carbon atoms each represents:										
Prefix		eth-								dec-
# of Carbon Atoms	1				5					
What is the formula for the following hydrocarbons?										
butene	butene propane									
methane	methane hexane									
noneneethene										