Polarity and Organic Review Worksheet		Name:	Name:	
Chemistry		Date:	Hour:	
. What are the three	types of bonds we have	e learned about?		
. What is electronega	ativity?			
Fill in the following	g chart about electrone	egativity difference and typ	pe of bond:	
Electronegativity Difference		Туре	Type of Bond	
. Which type of bond	l has a slightly positive	e and slightly negative end	?	
How many valence	electrons make an ato	m stable?		
Add the valence ele	ectrons (Lewis dots) to	each of the following ato	ms:	
н с	C N O	o F S	Cl	
Fill in the following	g chart about carbon p	refixes:		
	T			
# of carbons	prefix	# of carbons	prefix	
1 carbon		6 carbons		
2 carbons		7 carbons		
3 carbons	-	8 carbons		
4 carbons 5 carbons		9 carbons		
3 carbons		10 carbons		
. (a) How many bond	ls does carbon ALWA	YS form?		
(b) How many bone	ds does oxygen always	s form?		
(c) How many bond	ls does hydrogen alwa	ys form?		
. Explain what the fo	ollowing prefixes and s	suffixes mean in an organi	c compound's name	
-ane		-ene		
cvclo-		-vne		

10. Decide if the following bonds are polar or nonpolar covalent:

 C-H
 N-H

 C-O
 C-S

 C-C
 H-Cl

 C-F
 O-H

 C-Cl
 F-H

11. Decide if the following MOLECULES are polar or nonpolar: