Guided Notes: Bond Polarity	Name:	Pd.:
1. polar bond:		
a. What do we use to show "s	lightly positive"?	
b. What do we use to show "s	lightly negative"?	
c. What electronegativity diff	erence means the bond is polar?	
d. <b>Examples:</b> Show all work fe	or the examples below.	
i. HCl	ii. H <sub>2</sub> O	
2. What is a nonpolar bond?		
a. What electronegativity diff	erence means the bond is nonpolar?	
b. <b>Examples:</b> Show all work fe	or the examples below.	
i. CH4	ii. N <sub>2</sub>	
Check For Understanding: Show all of your wo	ork in determining if the following bonds are polar or non	polar.
Р—Н	C—F	O—S
1 What is a molecule?		
1. What is a molecule:		
2. What is a polar molecule?		
a. List the polar shapes.		
b. Examples: Show all work	for the examples below.	
NH <sub>3</sub>	H <sub>2</sub> O	
What <b>2</b> things must you look at for a mole	cule to determine its notarity?	
i		
ii.		
3. What is a nonpolar molecule?		
a. List the nonpolar shapes.		
b. Examples: Show all work	for the examples below.	
i. CO <sub>2</sub>	ii. CCl <sub>4</sub>	
c. What must be the same in	order to consider a molecule symmetrical?	
		0.52