NameCollege Prep Chemis	stry of the F	'arth		Period	
Assignment 3F – Pol Answer the following	lar and Non		S		20 Points
What is a di	pole in a mo	olecule?	cule? What is a symmetrical molecule?		e?
How are charges of ionic compounds like dipoles?			What is an asymmetric molecule?		
		then use the elec	tronegativity an	nd molecule structure to	,
determine molecule polarity. HCl			Atomic	Structura	
Elect. H Elect. Cl		Atomic Structure			
Electronegativity I	3.0	(+)	H —	- C1 8	_)
ED = 3.0-2.1		J>0.5	form on/w	a \	
E 0.9		Bond Type		Molecule Type	
Polar Covalent		Pol	ar Bond	Polar Mole	2 ch 2
H ₃ N		Atomic Structure			
Elect. H	Elect. N	F	1 — 1	N — Н	

Bond Type

Molecule Type

Electronegativity Difference

CO ₂		Atomic Structure		
Elect. C Elect. O Electronegativity Difference		o = c = o		
		Bond Type	Molecule Type	
CF ₄		Atomic Structure		
Elect. C Elect. F Electronegativity Difference		F		
		Bond Type	Molecule Type	
SBr ₂		Atomic	Atomic Structure	
Elect. S Electronegativ	Elect. Br	Br — S — Br		
		Bond Type	Molecule Type	