 a. Calculate the difference in electronegativities and then indicate the type of bond. b. The Electron dot structure requires dots. Draw for both covalent and ionic bonds. c. The structural formula requires dashes for bonds. d. The shapes are linear, bent, trigonal planar, pyramidal, tetrahedral, and double bent. e. Indicate the polarity of the molecule based on its shape. 							
Molecular Formula	Bond Polarity Show calculation	Electron Dot Structure	Structural Formula	Shape Name	Molecular Polarity		
1) HBr			2 02 111111				
2) SCl ₂							
3) BCl ₃							
4) AlCl ₃							

_ Date: _____

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compounds listed. Remember, there will be no structural formula, shape name, or molecular polarity for

Directions: With your group and a periodic table, determine the following characteristics for the

Name: _____

compounds with ionic bonds.

__ Period: ____

Name:		Date:		Period:	
Molecular Formula	Bond Polarity Show calculation	Electron Dot Structure	Structural Formula	Shape Name	Molecular Polarity
5) CHCl ₃					
6) PH ₃					
7) CoO					
7) CaO					
8) C ₂ H ₂					
9) H ₂ O ₂					
10) CU O					
10) CH ₂ O					