Comparison of Bond Types

Name

Period

For each bond type, write out the answers for the following characteristics. Complete the following table on a separate piece of paper.

Comparison	Covalent Bonds	Ionic Bonds	Metallic Bonds
FORMATION	*********	********	**********
1. Types of atoms	a)	b)	c)
2. Valence electron distribution in the bond	a)	b)	c)
3.Electronegativity Difference	a)	b)	c)
4. Atom Examples	a)	b)	c)
5. Draw model/illustration			
CHARACTERISTICS	********	*********	**********
6. Bond Strength	a)	b)	c)
7. Structure	a)	b)	c)
PROPERTIES OF COMPOUNDS	//////////	//////////	//////////
8. Type of			

9. PCl_5 **Phosphorus trichloride** 9. PCl_3 **Phosphorus trichloride** 20. N_2O **dinitrogen monoxide** 20. N_2O **dinitrogen monoxide**

10. SrF_2 **Strontium fluoride** 21. $Sn(NO_3)_2$ **Tin(II) nitrate**

11. $Ca_3(PO_4)_2$ **Calcium phosphate** 22. P_2O_5 **Diphosphorus trioxide** 22. P_2O_3 **Diphosphorus trioxide**