

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 FORMATION	Covalent Bonds *****	Ionic Bonds *****	Metallic Bonds *****
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)

chloride _____

- a) $\text{C}_2\text{H}_4\text{O}_2$ _____
b) boron tri _____
c) methane _____
d) $\text{C}_6\text{H}_{12}\text{O}_6$ _____

ences between ionic and covalent compounds:

5) List three differences between ionic and covalent compounds: