

## 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 Compound	a)	b)	c)
9. Melting point	a)	b)	c)
10. Boiling point	a)	b)	c)
11. Malleability	a)	b)	c)
12. Ductility	a)	b)	c)
13. Conductivity	a)	b)	c)

## Chemical Names and Formulas

For each of the following problems: a) identify the compound as ionic or covalent. b) write out the correct name and chemical formula.

