

Name: _____

Hour: _____ Date: _____

Types of Chemical Bonds

Jig-Saw

Why Atoms Bond (p.40-41)

1.) What is a compound?
2.) Why do elements form compounds?
3.) In what way does bonding center around electrons?
4.) Where can you find the most stable elements on the periodic table? Give an example of one of these elements. (p. 36)
5.) When is an atom likely to form a chemical bond?
6.) List the three types of chemical bonds.

Types of Chemical Bonds

7.) What charge does an electron have? _____
What charge does a proton have? _____
8.) When an atom gains an electron, what charge does that atom have? Explain why.
9.) When an atom loses an electron, what charge does that atom have? Explain why.
10.) What is an ion?
11.) What is an ionic bond?

Covalent Bonds

12. What are covalent bonds?

13. What is a molecule? Give an example of one.

Metallic Bonds

14. Describe three properties of metals.
 - a.

 - b.

 - c.

15. What are metallic bonds?