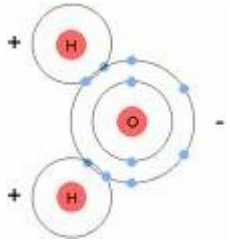
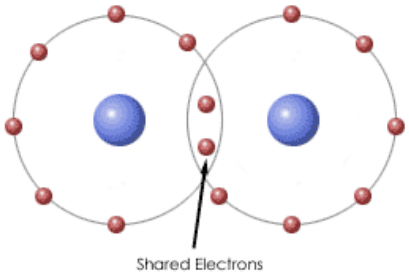



**Name:**_____

**Period:**_____

**Due Date:**_____

# Chapter4:Names and Formulas forcovalent compounds.




1. Covalent bonding differs from ionic bonding in 1 major way:

_____

2. How many shared electrons does it take to make a bond?

_____

3. Give the correct formula for the following covalent compounds?(Use your notes on Greek counting !!!)

a) diboron hexahydride _____

b) nitrogen tribromide _____

c) sulfur hexachloride _____

d) diphosphorus pentoxide _____

4. Give the correct chemical name for the following formulas

a) $SiF_4$ _____

b) $N_2S_3$ _____

c) $CO_2$ _____

d) $PCl_3$ _____

5. Compare and contrast ionic and covalent bonding. What is similar, what is different? What elements bond in which style? Draw a picture of an ionic bond (atomic scale). Draw a picture of a covalently bonded compound (atomic scale) Give an example including name and formula for each. Use the back or margins for drawings.

_____

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