

Name: \_\_\_\_\_

Period: \_\_\_\_\_

**HW3:2 Naming Compounds**  
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**Assigned: Tues., 10/10 and Wed. , 10/11**  
**Due: Thurs., 10/12 and Wed. , 10/13**

1. What kind of compound is made up of 2 non-metals?
2. What kind of a compound has three or more elements?
3. What kind of a compound is made up of a metal and a non-metal?
4. For which type of compound do you use Greek prefixes?
5. For covalent compounds, do you ever use "mono-" for the first compound?
6. What kind of element has more than one oxidation #?
7. Give *prefixes* for the following numbers:
  - A. 8 = \_\_\_\_\_
  - B. 1 = \_\_\_\_\_
  - C. 2 = \_\_\_\_\_
  - D. 3 = \_\_\_\_\_
  - E. 5 = \_\_\_\_\_
  - F. 10 = \_\_\_\_\_
8. Find these polyatomic ions on the polyatomic chart.
  - A.  $\text{NO}_3 =$  \_\_\_\_\_
  - B.  $\text{SO}_3 =$  \_\_\_\_\_
  - C.  $\text{H}_3\text{O} =$  \_\_\_\_\_
  - D.  $\text{C}_2\text{H}_3\text{O}_2 =$  \_\_\_\_\_
  - E.  $\text{CO}_3 =$  \_\_\_\_\_
9. What is the ending?  
 $\text{Al}_2\text{O}_3 =$  Aluminum Ox\_\_\_\_\_
12. Put it together: Give the type and name the compound.

	<b>Ionic, Covalent, or Polyatomic</b>	<b>Name</b>
1. $\text{NF}_3$	_____	_____
2. $\text{CO}_2$	_____	_____
3. $\text{FeO}$	_____	_____
4. $\text{LiNO}_3$	_____	_____
5. $\text{MgBr}_2$	_____	_____

10. Ionic, Covalent, or Polyatomic?
  - A.  $\text{LiH}_3\text{O} =$  \_\_\_\_\_
  - B.  $\text{MgF}_2 =$  \_\_\_\_\_
  - C.  $\text{CO} =$  \_\_\_\_\_
  - D.  $\text{OF}_2 =$  \_\_\_\_\_
11. Match these compounds and names:
  1.  $\text{N}_2\text{O}_3$       A. Nitrogen octoxide
  2.  $\text{N}_4\text{O}_2$       B. Dinitrogen trioxide
  3.  $\text{N}_5\text{O}$         C. Pentanitrogen monoxide
  4.  $\text{NO}_8$          D. Tetranitrogen dioxide