

NAMING BINARY COMPOUNDS (IONIC)

Name _____

Name the following ionic compounds using Roman numerals where necessary.

- | | | | |
|----------------------------|-------|-----------------------------|-------|
| 1. BaCl_2 | _____ | 11. K_2S | _____ |
| 2. NaF | _____ | 12. CrCl_2 | _____ |
| 3. Ag_2O | _____ | 13. CrCl_3 | _____ |
| 4. CuBr | _____ | 14. CaO | _____ |
| 5. CuBr_2 | _____ | 15. Ba_3P_2 | _____ |
| 6. FeO | _____ | 16. Hg_2I_2 | _____ |
| 7. Fe_2O_3 | _____ | 17. Na_2O | _____ |
| 8. MgS | _____ | 18. BeS | _____ |
| 9. Al_2O_3 | _____ | 19. MnO | _____ |
| 10. CaI_2 | _____ | 20. Mn_2O_3 | _____ |

NAMING MOLECULAR COMPOUNDS

Name _____

Name the following covalent compounds.

1. CO_2 _____

2. CO _____

3. SO_2 _____

4. SO_3 _____

5. N_2O _____

6. NO _____

7. N_2O_3 _____

8. NO_2 _____

9. N_2O_4 _____

10. N_2O_5 _____

11. PCl_3 _____

12. PCl_5 _____

13. NH_3 _____

14. SCl_6 _____

15. P_2O_5 _____

16. CCl_4 _____

17. SiO_2 _____

18. CS_2 _____

19. OF_2 _____

20. PBr_3 _____

WRITING FORMULAS FROM NAMES

Name _____

Write the formulas for the following compounds.

1. carbon monoxide
2. sodium chloride
3. carbon tetrachloride
4. magnesium bromide
5. aluminum iodide
6. hydrogen hydroxide
7. iron (II) fluoride
8. carbon dioxide
9. sodium carbonate
10. ammonium sulfide
11. iron (II) oxide
12. Iron (III) oxide
13. magnesium sulfate
14. sodium phosphate
15. dinitrogen pentoxide
16. phosphorus trichloride
17. aluminum sulfite
18. copper (I) carbonate
19. potassium hydrogen carbonate
20. sulfur trioxide

NAMING COMPOUNDS (MIXED)

Name _____

Name the following compounds.

1. NaCl _____
2. MnS _____
3. K₂O _____
4. CuBr₂ _____
5. CuBr _____
6. CO₂ _____
7. PbSO₄ _____
8. Li₂CO₃ _____
9. Na₂CO₃ _____
10. NO₂ _____
11. N₂O₄ _____
12. Ca(OH)₂ _____
13. NH₄Cl _____
14. SO₃ _____
15. AlPO₄ _____
16. CCl₄ _____
17. CaS _____
18. NH₃ _____
19. MgI₂ _____
20. K₃PO₄ _____

NAMING ACIDS

Name _____

Name the following acids.

1. HNO_3 _____
2. HCl _____
3. H_2SO_4 _____
4. H_2SO_3 _____
5. $\text{HC}_2\text{H}_3\text{O}_2$ _____
6. HBr _____
7. HNO_2 _____
8. H_3PO_4 _____
9. H_2S _____
10. H_2CO_3 _____

Write the formulas of the following acids.

11. sulfuric acid _____
12. nitric acid _____
13. hydrochloric acid _____
14. acetic acid _____
15. hydrofluoric acid _____
16. phosphorous acid _____
17. carbonic acid _____
18. nitrous acid _____
19. phosphoric acid _____
20. hydrosulfuric acid _____