

CHEMISTRY WORKSHEET ON NAMING AND WRITING COMPOUNDS.

In the problems below, decide if the compound is ionic or molecular. Mark your answers with an "I" or an "M". If molecular, go on to use a code after the M such as B for Binary, N for Nonoxy acid, and O for Oxyacid. After you have coded the problem, supply the missing formula or name.

REMEMBER: use Roman numerals where needed to identify transition metals. Use prefixes only with *binary molecules*. Try to complete these problems using only the periodic table. Resort to your notes and your naming guides only after you have really tried!

Part 1: Name these compounds

1. NaOH _____
2. HBr (aq) _____
3. H₂S (g) _____
4. HClO₃ _____
5. Cu(ClO₄)₂ _____
6. H₂SO₄ _____
7. NaBr _____
8. Hg(CN)₂ _____
9. SrCO₃ _____
10. (NH₄)₂SO₃ _____
11. FeO _____
12. Sn₃N₄ _____
13. CO₂ _____
14. PCl₅ _____
15. SF₆ _____
16. CoCl₃ _____
17. H₂CO₃ _____
18. HNO₃ _____
19. Fe(MnO₄)₃ _____
20. Ni(NO₃)₂ _____

Part 2: Give the correct formula

1. zinc phosphide _____
2. tin(II)phosphate _____
3. barium chromate _____
4. aluminum acetate _____
5. Iodine pentoxide _____
6. ammonium acetate _____
7. mercury(II)sulfate _____
8. sodium dihydrogen phosphate _____
9. phosphorous acid _____
10. acetic acid _____
11. hydrochloric acid _____
12. Chromic acid _____
13. dinitrogen monoxide _____
14. carbon tetrachloride _____
15. iodine monobromide _____
16. hydrocyanic acid _____
17. sulfuric acid _____
18. silver chloride _____
19. lead(IV)sulfide _____
20. dichlorine heptoxide _____