

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_____