

**Writing & Naming
Binary Molecular Compounds (Type III) and Acids**

Write the formula or the name for the following binary molecular compounds or acid. We will not take up the method of naming molecular compounds that are composed of more than two different elements, unless it is an acid.

1. carbon monoxide

12. N_2O

2. hydrochloric acid

13. CO

3. carbon dioxide

14. H_2CO_3

4. sulfur dichloride

15. CS_2

5. acetic acid

16. SO_3

6. dichlorine monoxide

17. H_3PO_4

7. boron trifluoride

18. N_2O_5

8. nitric acid

19. CCl_4

9. dihydrogen monoxide

20. P_2O_5

10. hydrobromic acid

21. XeF_6

11. tetraphosphorus decoxide

22. HNO_2

1. CO
2. HCl
3. CO₂
4. SCl₂
5. HC₂H₃O₂
6. Cl₂O
7. BF₃
8. HNO₃
9. H₂O
10. HBr
11. P₄O₁₀
12. dinitrogen monoxide
13. carbon monoxide
14. carbonic acid
15. carbon disulfide
16. sulfur trioxide
17. phosphoric acid
18. dinitrogen pentaoxide
19. carbon tetrachloride
20. diphosphorus pentaoxide
21. xenon hexafluoride
22. this is not one of the acids that you will have to be able to name, but it could be extra credit - if you have learned the method of naming acids, it is nitrous acid.