

**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

9. H_2CO_3

2. hydrochloric acid

10. CS_2

3. carbon dioxide

11. SO_3

4. sulfur dichloride

12. H_3PO_4

5. acetic acid

13. N_2O_5

6. dichlorine monoxide

14. CCl_4

7. boron trifluoride

15. P_2O_5

8. nitric acid

16. HNO_2

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ANSWERS

1. CO
2. HCl
3. CO₂
4. SCl₂
5. HC₂H₃O₂
6. Cl₂O
7. BF₃
8. HNO₃
9. carbonic acid
10. carbon disulfide
11. sulfur trioxide
12. phosphoric acid
13. dinitrogen pentaoxide
14. carbon tetrachloride
15. diphosphorus pentaoxide
16. 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.