

Practice Sheet #14  
Acids**Acids**

## I. Name the acid.

- |                                   |   |
|-----------------------------------|---|
| (1) HCl _____                     | (6) $\text{HC}_2\text{H}_3\text{O}_2$ _____ |
| (2) $\text{HNO}_3$ _____          | (7) $\text{HClO}_3$ _____                   |
| (3) $\text{H}_3\text{PO}_3$ _____ | (8) $\text{H}_2\text{CO}_3$ _____           |
| (4) HCN _____                     | (9) $\text{H}_3\text{AsO}_4$ _____          |
| (5) $\text{H}_2\text{SO}_3$ _____ | (10) $\text{HIO}_2$ _____                   |

## II. Write the formula for each acid.

- |                             |                           |
|-----------------------------|---------------------------|
| (1) hydrofluoric acid _____ | (6) hydroiodic acid _____ |
| (2) phosphoric acid _____   | (7) bromic acid _____     |
| (3) nitrous acid _____      | (8) chlorous acid _____   |
| (4) sulphuric acid _____    | (9) periodic acid _____   |
| (5) oxalic acid _____       | (10) carbonous acid _____ |

**Covalent Compounds**

## I. Name the compound.

- |                                  |                                  |
|----------------------------------|----------------------------------|
| (1) $\text{N}_2\text{O}_3$ _____ | (8) $\text{PI}_3$ _____          |
| (2) $\text{P}_2\text{O}_4$ _____ | (9) $\text{F}_2\text{O}_2$ _____ |
| (3) $\text{SO}_3$ _____          | (10) $\text{CO}_2$ _____         |
| (4) $\text{IF}_5$ _____          | (11) $\text{SF}_6$ _____         |
| (5) $\text{SiCl}_4$ _____        | (12) $\text{O}_2$ _____          |
| (6) $\text{Cl}_2$ _____          | (13) $\text{PF}_5$ _____         |
| (7) $\text{PCl}_3$ _____         | (14) $\text{CO}$ _____           |

## II. Write the formula for each compound.

- |                               |                                   |
|-------------------------------|-----------------------------------|
| (1) nitrogen trioxide _____   | (8) oxygen difluoride _____       |
| (2) carbon tetrabromide _____ | (9) nitrogen trichloride _____    |
| (3) sulphur monoxide _____    | (10) fluorine _____               |
| (4) carbon disulphide _____   | (11) phosphorus triiodide _____   |
| (5) nitrogen _____            | (12) sulphur dioxide _____        |
| (6) silicon dioxide _____     | (13) diphosphorus pentoxide _____ |
| (7) sulphur hexabromide _____ | (14) silicon tetraiodide _____    |