

# Worksheet 34: Naming and writing formulas of acids

## Topic 8

### Set A: Names and formulas of binary acids

Objective: To test your ability to write names and formulas to binary acids

Write names for these binary acid formulas.

1. HBr hydrobromic acid
2. H<sub>2</sub>S hydrosulfuric acid
3. HF hydrofluoric acid

Write formulas for these binary acid names.

4. Hydroiodic acid H<sub>2</sub>I
5. Hydrotelluric acid H<sub>2</sub>Te
6. Hydrochloric acid HCl

### Set B: Names and formulas of ternary acids

Objective: To test your ability to write names and formulas to ternary acids

Write names for these ternary acid formulas.

7. HClO<sub>2</sub> Chlorous acid
8. H<sub>2</sub>S<sub>2</sub>O<sub>3</sub> Thio sulfuric acid
9. H<sub>3</sub>PO<sub>4</sub> Phosphoric acid
10. HNO<sub>2</sub> Nitrous acid
11. HClO<sub>4</sub> Perchloric acid

Write formulas for these ternary acid names.

12. Sulfurous acid H<sub>2</sub>SO<sub>3</sub>
13. Acetic acid HC<sub>2</sub>H<sub>3</sub>O<sub>2</sub>
14. Nitric acid HNO<sub>3</sub>
15. Chloric acid HClO<sub>3</sub>
16. Hypochlorous acid HClO