

# Basics of Acid Naming – Worksheet

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Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Instructions:** Use the rules for naming acids to answer the questions below. Write the correct name or formula as requested.

## Part A: Identify the Type of Acid

Write *Binary Acid* or *Oxyacid* for each formula.

- 1. HCl
- 2. HNO<sub>3</sub>
- 3. H<sub>2</sub>S
- 4. H<sub>2</sub>SO<sub>4</sub>
- 5. H<sub>3</sub>PO<sub>4</sub>

## Part B: Name the Following Acids

- 6. HCl
- 7. H<sub>2</sub>SO<sub>4</sub>
- 8. HNO<sub>2</sub>
- 9. H<sub>2</sub>CO<sub>3</sub>
- 10. HBr

## Part C: Write the Chemical Formula

Write the correct chemical formula for each acid.

- 11. Hydrochloric acid
- 12. Nitric acid
- 13. Sulfurous acid
- 14. Phosphoric acid
- 15. Hydrosulfuric acid

## Bonus Challenge

16. Explain the difference between an acid ending in '-ic' and one ending in '-ous'.