

Name: MR. CAUSEY Date: \_\_\_\_\_  
Chemistry

Worksheet



## Acid Names and Formulas

**DIRECTIONS:** Write the best answer for the following statements.

- OXYACID 1. the acids consisting of H, O, and a third element  
ACID 2. a substance that releases hydrogen ions when dissolved in water  
pH 3. hydrogen ion concentration  
MOLECULE 4. the smallest unit of a covalent compound  
BINARY ACID 5. the aqueous solutions of binary covalent compounds  
BASE 6. releases hydroxide ions when dissolved in water  
AQUEOUS 7. a solution created by dissolving in water

**DIRECTIONS:** Write the name for the following compounds.

- ACETIC ACID 6.  $\text{HC}_2\text{H}_3\text{O}_2$  (aq)  
HYDROCHLORIC ACID  $\text{HCl}$  (aq)  
PHOSPHORUS ACID 8.  $\text{H}_3\text{PO}_3$  (aq)  
HYDROCYANIC ACID 9.  $\text{HCN}$  (aq)

**DIRECTIONS:** Write the formula for the following acids.

- $\text{H}_2\text{CO}_3$  (aq) 10. carbonic acid  
 $\text{HF}$  (aq) 11. hydrofluoric acid  
 $\text{H}_2\text{SO}_3$  (aq) 12. sulfurous acid  
 $\text{HNO}_3$  (aq) 13. nitric acid

**“We are not creatures of circumstances; we are creators of circumstances.”**  
--Benjamin Disraeli