

# ACID, BASE OR SALT

Name \_\_\_\_\_

Classify each of the following compounds as an acid, base or salt. Then, ~~indicate whether~~ **name.**  
~~each acid and base is strong or weak.~~

- |                               |       |       |
|-------------------------------|-------|-------|
| 1. $\text{HNO}_3$             | _____ | _____ |
| 2. $\text{NaOH}$              | _____ | _____ |
| 3. $\text{NaNO}_3$            | _____ | _____ |
| 4. $\text{HCl}$               | _____ | _____ |
| 5. $\text{KCl}$               | _____ | _____ |
| 6. $\text{Ba}(\text{OH})_2$   | _____ | _____ |
| 7. $\text{KOH}$               | _____ | _____ |
| 8. $\text{H}_2\text{S}$       | _____ | _____ |
| 9. $\text{Al}(\text{NO}_3)_3$ | _____ | _____ |
| 10. $\text{H}_2\text{SO}_4$   | _____ | _____ |
| 11. $\text{CaCl}_2$           | _____ | _____ |
| 12. $\text{H}_3\text{PO}_4$   | _____ | _____ |
| 13. $\text{Na}_2\text{SO}_4$  | _____ | _____ |
| 14. $\text{Mg}(\text{OH})_2$  | _____ | _____ |
| 15. $\text{H}_2\text{CO}_3$   | _____ | _____ |
| 16. $\text{NH}_4\text{OH}$    | _____ | _____ |
| 17. $\text{NH}_4\text{Cl}$    | _____ | _____ |
| 18. $\text{HBr}$              | _____ | _____ |
| 19. $\text{FeBr}_3$           | _____ | _____ |
| 20. $\text{HF}$               | _____ | _____ |

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## NAMING ACIDS

Name \_\_\_\_\_

Name the following acids.

1.  $\text{HNO}_3$  \_\_\_\_\_
2.  $\text{HCl}$  \_\_\_\_\_
3.  $\text{H}_2\text{SO}_4$  \_\_\_\_\_
4.  $\text{H}_2\text{SO}_3$  \_\_\_\_\_
5.  $\text{HC}_2\text{H}_3\text{O}_2$  \_\_\_\_\_
6.  $\text{HBr}$  \_\_\_\_\_
7.  $\text{HNO}_2$  \_\_\_\_\_
8.  $\text{H}_3\text{PO}_4$  \_\_\_\_\_
9.  $\text{H}_2\text{S}$  \_\_\_\_\_
10.  $\text{H}_2\text{CO}_3$  \_\_\_\_\_

Write the formulas of the following acids.

11. sulfuric acid \_\_\_\_\_
12. nitric acid \_\_\_\_\_
13. hydrochloric acid \_\_\_\_\_
14. acetic acid \_\_\_\_\_
15. hydrofluoric acid \_\_\_\_\_
16. phosphorous acid \_\_\_\_\_
17. carbonic acid \_\_\_\_\_
18. nitrous acid \_\_\_\_\_
19. phosphoric acid \_\_\_\_\_
20. hydrosulfuric acid \_\_\_\_\_

Chemistry IF8766

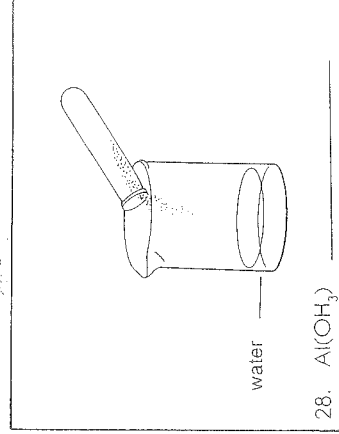
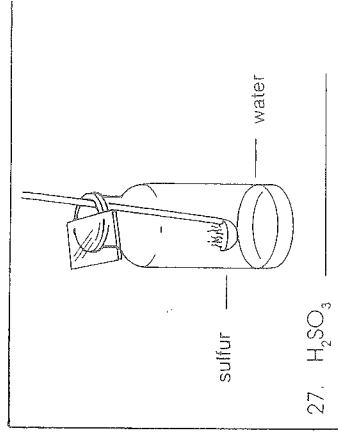
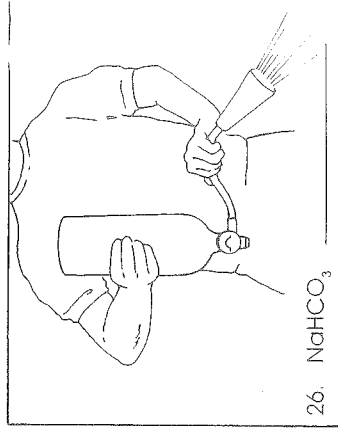
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## ACID, BASE OR SALT?

Name \_\_\_\_\_

Classify each of the following as an acid, a base or a salt.

1.  $\text{HNO}_3$  \_\_\_\_\_
2.  $\text{NaOH}$  \_\_\_\_\_
3.  $\text{NaNO}_3$  \_\_\_\_\_
4.  $\text{HCl}$  \_\_\_\_\_
5.  $\text{KCl}$  \_\_\_\_\_
6.  $\text{Ba}(\text{OH})_2$  \_\_\_\_\_
7.  $\text{KOH}$  \_\_\_\_\_
8.  $\text{H}_2\text{S}$  \_\_\_\_\_
9.  $\text{Al}(\text{NO}_2)_3$  \_\_\_\_\_
10.  $\text{H}_2\text{SO}_4$  \_\_\_\_\_
11.  $\text{CaCl}_2$  \_\_\_\_\_
12.  $\text{H}_3\text{PO}_4$  \_\_\_\_\_
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16.  $\text{NH}_4\text{OH}$  \_\_\_\_\_
17.  $\text{NH}_4\text{Cl}$  \_\_\_\_\_
18.  $\text{HBr}$  \_\_\_\_\_
19.  $\text{FeBr}_3$  \_\_\_\_\_
20.  $\text{HF}$  \_\_\_\_\_
21.  $\text{NaCl}$  \_\_\_\_\_
22.  $\text{Ca}(\text{OH})_2$  \_\_\_\_\_
23.  $\text{HC}_2\text{H}_3\text{O}_2$  \_\_\_\_\_
24.  $\text{CuCl}_2$  \_\_\_\_\_
25.  $\text{HNO}_2$  \_\_\_\_\_



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