

Use with textbook pages 234–239.

Recognizing acids, bases, and salts

1. State whether each of the following is an acid, a base, or a salt.

(a) HI _____

(l) $\text{Al}_2(\text{SO}_4)_3$ _____

(b) HBr _____

(m) CH_3COOH _____

(c) KOH _____

(n) $\text{Mg}(\text{CH}_3\text{COO})_2$ _____

(d) HNO_3 _____

(o) calcium nitrate _____

(e) NaOH _____

(p) sodium chloride _____

(f) H_2SO_4 _____

(q) hydrocyanic acid _____

(g) H_2CO_3 _____

(r) hydrogen fluoride _____

(h) H_3PO_4 _____

(s) barium hydroxide _____

(i) Na_3PO_4 _____

(t) hypochlorous acid _____

(j) $\text{Sr}(\text{OH})_2$ _____

(u) aluminum hydroxide _____

(k) $\text{Ca}(\text{OH})_2$ _____

(v) magnesium carbonate _____

2. What acid is present in vinegar? _____

3. What is the chemical name for table salt? _____

4. What acid is used in automobile batteries? _____

5. What base is found in drain and oven cleaners? _____

6. What base is the active ingredient in some antacids? _____

7. What acid is produced in the stomach to help digest food? _____

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Acid-base neutralization reactions



1. Complete and balance the following neutralization reactions.



2. Complete and balance the following acid-base neutralization reactions. Include both the word equation and the formula.

