

Chapter  
Review

## Acids, Bases, and Salts

## Part A. Vocabulary Review

**Directions:** In each of the following statements, a key term has been scrambled. Unscramble each term and write it on the line provided.

- \_\_\_\_\_ 1. A substance that produces  $H^+$  ions in solution is a(n) *dica*.
- \_\_\_\_\_ 2. Solutions with ions that react with acids or bases to lessen their effects are *fubrefs*.
- \_\_\_\_\_ 3. These synthetic fibers, known as *yolptresse*, consist of chains containing many esters.
- \_\_\_\_\_ 4. A substance that produces  $OH^-$  ions in solution is a(n) *sabe*.
- \_\_\_\_\_ 5.  $H_3O^+$  is the notation for the *hondymuir oin*.
- \_\_\_\_\_ 6. A substance that changes color in an acid or a base is a(n) *troincadi*.
- \_\_\_\_\_ 7. An acid that almost completely ionizes in solution is a(n) *gronts acid*.
- \_\_\_\_\_ 8. An acid that only partly ionizes in solution is a(n) *kwea acid*.
- \_\_\_\_\_ 9. A(n) *trogasn seba* ionizes completely in solution.
- \_\_\_\_\_ 10. A(n) *akew sabe* does not ionize completely in solution.
- \_\_\_\_\_ 11. *Hp* is a measure of the hydronium ions in a solution.
- \_\_\_\_\_ 12. A chemical reaction between an acid and a base is *zealuntnotiari*.
- \_\_\_\_\_ 13. When the negative ions of an acid and the positive ions of a base combine, a(n) *slat* and water are formed.
- \_\_\_\_\_ 14. The process in which a solution of known concentration is used to find the concentration of a second solution is called *traintiot*.
- \_\_\_\_\_ 15. Substances made when sodium or potassium hydroxide reacts with fatty acids are called *spoas*.
- \_\_\_\_\_ 16. Organic salts similar to soaps are *greettends*.
- \_\_\_\_\_ 17. A(n) *steer* is formed from an acid and an alcohol.

## Chapter Review (continued)

### Part B. Concept Review

**Directions:** Fill in the blank spaces in the table below.

Characteristic	Acid	Base
1. Type of ions produced in solution		
2. Charge of ion		
3. Taste		
4. Common example		
5. pH		
6. Common use		

**Directions:** Match the terms in Column II with the descriptions in Column I. Write the letter of the correct term in the blank at the left.

#### Column I

- \_\_\_\_\_ 7. synthetic fiber made from an organic acid
- \_\_\_\_\_ 8. helps grease and oil mix with water so they can be rinsed away
- \_\_\_\_\_ 9. substance with a pH of 3
- \_\_\_\_\_ 10. substance with a pH of 9
- \_\_\_\_\_ 11. indicator
- \_\_\_\_\_ 12. 0 to 14
- \_\_\_\_\_ 13. salt
- \_\_\_\_\_ 14. refer to the ease with which an acid or base forms ions in solution
- \_\_\_\_\_ 15. substance with a pH of 7
- \_\_\_\_\_ 16. refer to the amount of acid or base dissolved in solution
- \_\_\_\_\_ 17. can smell like oranges, bananas, or strawberries

#### Column II

- a. phenolphthalein
- b. acid
- c. the terms *dilute* and *concentrated*
- d. base
- e. the terms *strong* and *weak*
- f. polyester
- g. neutral
- h. sodium chloride
- i. pH scale
- j. soap
- k. esters