

SECTION
3**Study Guide****Acids, Bases, and Salts****Chapter**
24

Directions: Decide whether each item listed below refers to an acid, a base, or both an acid and a base. Write your answer in the space provided using the letters in the key.

KEY: A = acid B = base AB = acid and base

- _____ 1. sour taste
- _____ 2. bitter taste
- _____ 3. produces hydrogen ions in solution
- _____ 4. is often corrosive
- _____ 5. is slippery
- _____ 6. can cause severe burns and tissue damage
- _____ 7. exists as a crystalline solid in an undissolved state
- _____ 8. produces hydroxide ions in solution
- _____ 9. reacts with a predictable indicator to produce a color change
- _____ 10. Soaps are an example.
- _____ 11. may be used to make fertilizer
- _____ 12. gastric juice in stomach
- _____ 13. produces hydronium ions
- _____ 14. Most compounds that produce this in aqueous solution are ionic.
- _____ 15. a solution that contains more H_3O^+ ions than OH^- ions.
- _____ 16. HCl is an example.
- _____ 17. Ammonia is a common example.

Directions: Answer the questions on the lines provided.

18. Use the information above to identify four properties that acids and bases have in common.

19. Identify three facts about acids that are NOT true of bases.

20. Identify three facts about bases that are NOT true of acids.
