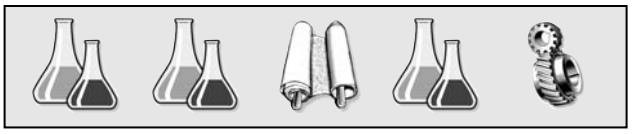
Name: _____

Date: _____ Grade: _____

SECTION QUIZ 7-3



Remember:
Score an average of 85% or higher on all three quizzes and you may be exempt from the chapter test!



Congratulations! You have completed this section!
Answer the following questions to test your understanding of the material. When you are finished, hand in your quiz to your teacher. Each answer is worth 2.5 points.

Fill in the blank or circle True or False.

1. A strong acid releases only a few hydrogen ions into solution.
   (a) True or (b) False

2. Citric acid gives foods a _____ taste.
   (a) excellent (b) sweet (c) bitter (d) sour

3. An acid that does not supply many hydrogen ions is described as: _____.
   (a) concentrated (b) unstable (c) strong (d) weak

4. Mixing water with an acid makes the acid _____.

5. H_2SO_4 is the chemical formula for _____ acid.

6. HCl is the chemical formula for _____ acid.

7. The chemical formula for nitric acid is _____.

8. _____ is a strong base.
   (a) Sodium chloride (c) Hydrogen chlorine
   (b) Ammonium hydroxide (d) Sodium hydroxide

9. The reaction of an acid with a base produces water and a _____.

10. The cold-blooded animal keeps his body at a constant temperature.
    (a) True or (b) False

11. Animals are able to maintain the correct body temperature by the unusual properties of: _____.
    (a) water (b) hydrocarbons (c) scales (d) animals

12. Water is a _____ compound.

13. Because the water molecule has a positive region and a negative region it is described as being _____.

14. The universal solvent is: _____.
    (a) acetone (b) alcohol (c) carbohydrates (d) water

15. The most common liquid on Earth is: _____.
    (a) petroleum (b) coffee (c) water (d) soda

16. Shivering shows that a person's muscles are trying to: _____.
    (a) cramp (b) generate heat (c) shed excess moisture (d) relax

17. Evaporating water from a body produces a _____ effect.
    (a) cooling (b) heating (c) warming (d) exotic

18. When water changes to ice it _____ 80 calories of heat energy.

19. In winter, the warmest water is found _____ of a lake.
    (a) at the top (b) near the shore (c) on the bottom (d) in the middle

20. Water molecules have a weak attraction for one another.
    (a) True or (b) False

21. At room temperature, water is a: _____.
    (a) gas (b) liquid (c) vapor (d) solid

22. Most of the ice on Earth is found in Greenland and the polar ice caps.
    (a) True or (b) False

23. Blood is a: _____.
    (a) compound
    (b) mixture
    (c) chemical bond
    (d) simple solution to a problem

24. A _____ contains two or more elements that are found in exactly the same proportion.
    (a) compound (b) mixture (c) solution (d) concoction

25. One way to make solid go into a solution faster is to increase its _____ area.

26. Liquids and _____ dissolve faster in hot water.
    (a) salt (b) solids (c) gases (d) vapors

27. Doubling the pressure of a gas causes less of it to be dissolved.
    (a) True or (b) False

28. Water is the only liquid that can act as a solvent.
    (a) True or (b) False

29. Two liquids that mix easily are _____.

30. The explorer eliminates mud and sand from water by: _____.
    (a) boiling it (b) filters (c) distillation (d) letting it settle

31. The purpose of an ion exchange resin is to replace _____ with less dangerous ions.
    (a) chlorine and iodine
    (b) heavy metals
    (c) resins
    (d) microorganisms

32. Cities treat water by filtering it through: _____.
    (a) hay and straw
    (b) a fine chamois cloth
    (c) gravel, coarse sand and fine sand
    (d) a sponge

SECTION QUIZ 7-3

33. The process of cleaning swimming pool filters is called _____.

34. _____ of the water kills most bacteria.

35. Cities cannot use ion exchange resins to purify water because they are too _____.

36. In the laboratory, pure water is prepared by: _____.
    (a) adding alcohol
    (b) distillation and condensation
    (c) freezing and thawing
    (d) settling and filtering

37. Henry David Thoreau said, *"Be not simply good; be good for _____."*

38. *"If you want to be successful, it's just this simple. Know what you are _____. Love what you are _____. And believe in what you are _____." (same word)*

39. William James said, *"Act as if what you do makes a _____. It does."*

40. According to Jimmy Carter, *"We must adjust to changing times and still hold to unchanging _____."*