Name: _____

Date: _____ Grade: _____

SECTION QUIZ 8-2



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. The sting of bees, wasps, and the bites of ants all contain an organic: _____.
   (a) acid (b) ester (c) base (d) ether

2. The functional group of organic acids is: _____.
   (a) *CO* (b) *COOH* (c) *OH* (d) *OOCH*

3. The formula for formic acid is _____.

4. Compared to sulfuric acid, acetic acid is _____.

5. Sour milk has a sour taste because of _____ acid.
   (a) acetic (b) sulfuric (c) butyric (d) lactic

6. Ether is an organic compound containing two hydrocarbon chains with a(n) _____ atom between them.
   (a) carbon (b) hydrogen (c) ether (d) oxygen

7. The reason Crawford W. Long was not given credit for the discovery of ether as a general anesthesia was because he was a dentist.
   (a) True or (b) False

8. The word plastic means: _____.
   (a) brittle (c) ductile
   (b) capable of being molded (d) elastic

9. A plastic that hardens permanently when it cools and does not become soft when reheated is a: _____.
   (a) thermoplastic (c) thermosetting plastic
   (b) hydrothermos plastic (d) hydroplastic setting

10. Because the bonds in the molecules of polyethylene are single, it is chemically: _____.
    (a) active (b) inert (c) volatile (d) wrong

11. Polyethylene is made from ethylene and has _____ bonds.
    (a) single (b) double (c) permanent (d) triple

12. Rubber is a natural: _____.
    (a) monomial (b) monomer (c) polymer (d) binomial

13. The one that resists organic solvents, such as gasoline, is: _____.
    (a) natural rubber (b) neoprene (c) butadiene (d) polyvinyl chloride

14. Mixing synthetic rubber with natural rubber: _____.
    (a) improves the properties of both
    (b) is not possible because synthetic rubber cannot be recycled
    (c) produces a dangerous, combustible polymer
    (d) causes disintegration of both

15. The formula for methyl alcohol is: _____.
    (a) CH_3OH (b) C_2H_5SH (c) $C_6H_{12}O_6$ (d) *CHOOCH*

16. Grain alcohol is also known as: _____.
    (a) gasoline (b) methanol (c) ethyl alcohol (d) poisonous gas

17. Intoxicating drinks contain _____ alcohol.
    (a) ethyl (b) denatured (c) methyl (d) ethanol

18. Ethyl alcohol is mixed with gasoline to produce _____.

19. A mixture of water and ethylene glycol makes a good _____ and summer coolant for use in automobile radiators.

20. _____ is a colorless, odorless, thick, syrupy liquid that has a sweet taste.

21. Glycerol is added to packaged cookies to kill the bacteria.
    (a) True or (b) False

22. Louis Pasteur found that yeast cells cause: _____.
    (a) cracking (b) fermentation (c) discoloration (d) pasteurization

23. Gentle heating to kill microorganisms that cause foods to spoil is known as: _____.
    (a) cracking (b) denaturing (c) pasteurization (d) boiling

24. Cracking can be used to _____ the amount of gasoline derived from a barrel of crude oil.

25. The process of making the plastic such as polyethylene by attaching together identical smaller units is known as: _____.
    (a) breaking (b) cracking (c) polymerization (d) substitution

26. Examples of compounds made by _____ of chlorine in hydrocarbons include chloroform and carbon tetrachloride.

27. The one property that methane, carbon tetrachloride and chloroform have in common is that they: _____
    (a) are liquids at room temperature (c) are made by cracking
    (b) contain carbons (d) are made by substitution

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28. Ethyl alcohol and dimethyl ether have the same _____ formulas.

29. Carbohydrates contain carbon, hydrogen and: _____.
    (a) asphalt (b) nitrogen (c) chlorine (d) oxygen

30. The digestion of cellulose in cows is done by: _____.
    (a) enzymes released by bacteria in the cow's stomachs
    (b) resuscitation while chewing their cud's
    (c) carbohydrates in the third stomach
    (d) proteins the cows produce as they chew their food

31. Starch in cereals, potatoes and rice provide about _____ percent of the world's supply of food energy.
    (a) five (b) fifty (c) ninety (d) twenty-five

32. The formula for glucose is: _____.
    (a) *CHNOH* (b) C_2H_5SH (c) $C_6H_{12}O_6$ (d) CH_3OH

33. The primary energy source for the body is: _____.
    (a) unsaturated hydrocarbons (c) cellulose
    (b) vitamins (d) glucose

34. The primary purpose of insulin is to: _____.
    (a) digest cellulose
    (b) increase the rate the heart beats
    (c) keep a person alert
    (d) regulate the amount of blood sugar

35. Sucrose is also known as: _____.
    (a) table sugar and cane sugar (c) lactose
    (b) fructose and blood sugar (d) glucose and maltose

36. *"What you are will show in what you _____."*

37. *"The path is smooth that leads on to _____."*

38. *"Right is right, even if everyone is _____ it; and wrong is wrong, even if everyone is for it."*

39. *"The person who moves a _____ begins by moving away small stones."*

40. "*The real mistakes in life are _____ violations that we could have avoided."*