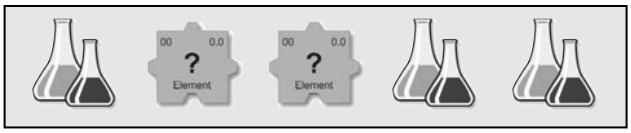
Name: _____

Date: _____ Grade: _____

SECTION QUIZ 3-1



Remember:
Score an 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 French Academy of Science was started to promote: _____.
   (a) science (c) geology
   (b) mathematics (d) elements

2. Oxygen, nitrogen and hydrogen are examples of gases.
   (a) True or (b) False

3. Sulfur, phosphorus and carbon are examples of: _____.
   (a) metals (b) nonmetals (c) carbonates (d) bicarbonates

4. Antimony, bismuth and platinum are examples of: _____.
   (a) metals (b) nonmetals (c) metallics (d) steel

5. If the name for an element ends in *-ium,* it is most likely to be a: _____.
   (a) metal (b) nonmetal (c) sticky (d) non-sticky

6. If the name for an element ends in *-on*, *-en* or *-ine*, it is a: _____.
   (a) metal (b) nonmetal (c) compound (d) element

7. In the name of a binary compound, the most metallic element is given: _____.
   (a) first (b) last (c) in the middle (d) never

8. The chemical symbol for sulfur is _____.

9. Sulfur has been known since the _____ times.
   (a) ancient (b) Prehistoric (c) Egyptian (d) Medieval

10. Sulfur is added to latex to make: _____.
    (a) charcoal (c) vulcanized rubber
    (b) sulfuric acid (d) gunpowder

11. Potassium nitrate, charcoal and sulfur form: _____.
    (a) vulcanized rubber (c) sulfuric acid
    (b) nitric acid (d) gunpowder

12. H_2SO_4 is the chemical formula for _____.

13. When sulfuric acid and water are mixed, the reaction generates: _____.
    (a) carbon monoxide (c) chlorine gas
    (b) a smell like rotten eggs (d) heat

14. The use of sulfuric acid in industry is slight.
    (a) True or (b) False

15. In the molecular formula $2(NH_4)SO_4$, the NH_4 is known as a: _____.
    (a) benzene group (c) revolutionary
    (b) radical (d) alkaloid group

16. Sulfa drugs were first found in nature.
    (a) True or (b) False

17. The "wonder" part of wonder drugs is that they can kill one-celled bacteria without killing human cells.
    (a) True or (b) False

18. The amount of sulfur a country consumes can be used as a measure of the country's economic success.
    (a) True or (b) False

19. Sulfur can be found in the free state and not combined with any other element.
    (a) True or (b) False

20. The Frasch Process is a way of: _____.
    (a) removing the stench from sulfur compounds
    (b) separating sulfur and coal
    (c) producing clean burning coal
    (d) bringing sulfur to the surface through pipes

21. Sulfur has allotropic forms as a liquid and as a solid.
    (a) True or (b) False

22. Carbon is: _____.
    (a) metallic (b) nonmetallic (c) always hard (d) always soft

23. Carbon has _____ forms.

24. The hardest substance known is: _____.
    (a) diamond (b) graphite (c) galvanized steel (d) tooth enamel

25. Diamond is used in jewelry and as an abrasive for cutting and drilling.
    (a) True or (b) False

26. Diamond has the highest melting temperature of any element.
    (a) True or (b) False

27. The greatest source of diamonds is located in: _____.
    (a) Arkansas (b) Argentina (c) South Dakota (d) South Africa

SECTION QUIZ 3-1

28. Diamond is made of: _____.
    (a) carbon (b) silicon (c) glass (d) sulfur

29. Graphite is used: _____.
    (a) as a dry lubricant (c) to make steel
    (b) in jewelry (d) as a dietary supplement

30. Coke is made by baking: _____.
    (a) coal (b) wood (c) paper (d) peat

31. The four most common elements in plants and animals are nitrogen, hydrogen, oxygen and _____.

32. The branch of chemistry devoted primarily to the study of compounds of carbon is _____ chemistry.
    (a) physical (b) inorganic (c) organic (d) energetic

33. Compared to the other elements, the number of carbon compounds is small.
    (a) True or (b) False

34. The chemical name for CO_2 is _____.

35. The chemical name for *CO* is _____.

36. *"A good _____ is more important than riches."*

37. *"A room without _____ is like a body without a soul."*

38. *"Most of our obstacles would melt away if instead of cowering before them, we should make up our minds to walk boldly _____ them."*

39. *"Ability is what you are capable of doing. Motivation determines what you do. _____ determines how well you do it."*

40. "*There is no sense in crying over spilt milk. Why bewail what is _____ and cannot be recalled?"*