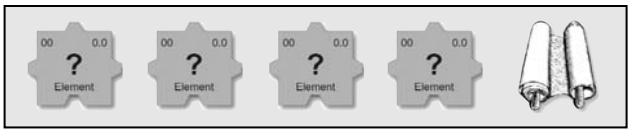
Name: _____

Date: _____ Grade: _____

SECTION QUIZ 5-3



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 points.

Fill in the blank or circle True or False.

1. Beryl can be found as gemstones.
   (a) True or (b) False

2. A hydrate contains: _____.
   (a) lithium (b) sodium (c) water (d) zeolite

3. $Mg(OH)_2$ is the formula for _____.

4. The metal in Epsom salt is _____.

5. Most magnesium is extracted from seawater.
   (a) True or (b) False

6. Limestone is calcium carbonate.
   (a) True or (b) False

7. $CaCO_3$ is the formula for _____.

8. Cement is a mixture of clay and dry limestone.
   (a) True or (b) False

9. Caves are formed when slightly acidic water dissolves limestone.
   (a) True or (b) False

10. The compound calcium oxide is commonly known as _____.

11. Calcium is found in the human body in the teeth and _____.

12. An eggshell, a pearl, a coral and mother of pearl button are all made of:
    _____.
    (a) calcium carbonate (c) magnesium fluoride
    (b) calcium oxide (d) potassium nitrate

13. Vinegar is a mild base.
    (a) True or (b) False

14. Temporary hard water can be made soft by: _____.
    (a) boiling (c) mixing in magnesium sulfate
    (b) freezing (d) sending it through a nuclear reactor

15. $SrCO_3$ is the formula for _____.

SECTION QUIZ 5-3

16. The formula for strontium sulfate is _____.

17. Radioactive strontium is a health risk because it can accumulate in the bones in place of calcium. (a) True or (b) False

18. Calcium and barium are more common and less expensive than strontium.
(a) True or (b) False

19. Barium received its name from a Greek word meaning: _____.
(a) hard (b) heavy (c) low in density (d) soft

20. The chemical compound that makes stomach and intestines visible is _____.

21. Barite mud is used for well drilling because the mud is especially heavy.
(a) True or (b) False

22. The formula for barium carbonate is _____.

23. $BaSO_4$ is the formula for _____.

24. Two naturally radioactive elements are: _____.
(a) barium and lithium (c) francium and magnesium
(b) beryllium and calcium (d) francium and radium

25. Atomic number is the total number of protons and electrons in an atom.
(a) True or (b) False

Write the names for the elements listed below that are found in the second row of the periodic table.

26. *Li* _____

27. *Be* _____

28. *B* _____

29. *C* _____

30. *N* _____

31. *O* _____

32. *F* _____

Write the symbols for the elements listed below that are found in the third row of the periodic table.

33. sodium _____

34. magnesium _____

35. aluminum _____

36. silicon _____

37. phosphorus _____

38. sulfur _____

39. chlorine _____

40. The fact that chemical properties of the elements repeat on a regular basis is: _____.

(a) Davy's Principle
(b) the family of elements
(c) the Periodic Law
(d) principle of the metals

41. A horizontal row of elements in the periodic table is a _____.

42. A vertical column of elements in the periodic table is a _____.

43. Elements in the same family share similar properties.
(a) True or (b) False

44. The inert gases have a valence of _____.

45. The only proper way to show the Periodic Law is with a periodic table.
(a) True or (b) False

46. *"Ideas without _____ are worthless."*

47. *"The more we learn of _____, the more we see that its wonderful mysteries are all explained by a few simple laws so connected together and so dependent upon each other, that we see the same mind animating [giving life to] them all."*

48. *"Do not let a pat on the _____ cause your head to swell."*

49. *"The greater the difficulty the more _____ in surmounting it. Skillful pilots gain their reputation from storms and tempests."*

50. *"The most important thing of all, as one approaches the end, is to be able to say, 'I have done what I _____.'"*