Name: _____

Date: _____ Grade: _____

SECTION QUIZ 2-2



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 1.85 points.

Multiple Choice: Choose the correct answer.

1. Speed is calculated as _____ divided by time.
   (a) distance (b) mass (c) velocity (d) volume

2. If you move three times as far from the source of light, the light intensity becomes _____ times less.
   (a) nine (b) sixteen (c) three (d) two

3. Foot-candles and candelas are measures of the intensity of: _____.
   (a) electricity (b) gravity (c) light (d) magnetism

4. The best conductor of electricity is: _____.
   (a) copper (b) rubber (c) glass (d) mica

5. Benjamin Franklin showed that lightning had the same properties as: _____.
   (a) electromagnets (b) Leyden jars (c) sonic booms (d) static electricity

6. The ampere is the standard metric unit for measuring: _____.
   (a) distance (b) electric current (c) light intensity (d) mass

7. A numbering system that allows a symbol to change in value depending on where it is located in a number is a _____ system.
   (a) before and after (c) place value
   (b) Greek letter (d) Roman numeral

8. The metric prefix for one million is: _____.
   (a) deca (b) hecto (c) mega (d) milli

9. The number equal to the metric prefix *kilo* is: _____.
   (a) 10 (b) 100 (c) 1,000 (d) 100,000

10. Capacity is also known as: _____.
    (a) density (b) mass (c) surface area (d) volume

11. A liter is slightly more than a: _____.
    (a) barrel (b) gallon (c) pint (d) quart

12. Density is the mass of an object compared to its: _____.
    (a) length (b) temperature (c) volume (d) weight

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13. The number 100 written as a power of ten: _____.
    (a) 10^0 (b) 10^1 (c) 10^2 (d) 10^3

14. The metric prefix for *ten* is: _____.
    (a) deca (b) hecto (c) mega (d) milli

15. The prefix for 0.01 or one-hundredth is: _____.
    (a) centi (b) deci (c) micro (d) milli

16. The metric prefix *deci* or 1/10, can be written as: _____.
    (a) 10^0 (b) 10^{-1} (c) 10^{-2} (d) 10^{-3}

17. The metric prefix *micro* is equal to: _____.
    (a) 1/10 (b) 1/100 (c) 1/1,000 (d) 1/1,000,000

18. A meter has a length of about _____ inches.
    (a) 2.2 (b) 12 (c) 39.37 (d) 100

19. The total surface area of a flag 8 yards by 12 yards is: _____.
    (a) 10 yards (b) 24 yards (c) 4 square yards (d) 96 square yards

Matching:

20. _____ mirage	(a) thousandths
21. _____ Olaus Roemer	(b) measures temperature
22. _____ Andre Ampere	(c) an illusion due heat waves and light rays
23. _____ Archimedes	(d) measures length, distance
24. _____ milli	(e) Danish astronomer who studied speed of light
25. _____ kilogram	(f) measures atomic particles
26. _____ Celsius	(g) discovered how to measure electric current
27. _____ meter	(h) measures mass
28. _____ mole	(i) great scientist of the ancient world

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Fill in the blank. Choose the correct word from the WORD BANK.

WORD BANK

conductors	gallon	pint	base unit	density
surface area	sound	light	volume	cup
nonconductors	intensity	quart	derived unit	

29. Wood floats in water because the _____ of the wood is less than that of the water.

30. _____ is calculated by multiplying length times width.

31. A _____ is a standard unit of measure from which other units are obtained.

32. _____ is calculated by multiplying length times width times height.

33. The speed of _____ is 186,000 miles per second.

34. A _____ unit is obtained from other established, foundational units of measure.

35. A _____ contains 8 fluid ounces.

36. A _____ contains 2 cups.

37. A _____ contains 2 pints.

38. A _____ contains 4 quarts.

39. The best _____ of electricity are nonmetals.

True or False: Write the correct answer.

40. _____ Light travels faster in a vacuum than in diamond.

41. _____ Static charges that are alike attract one another.

42. _____ Light from the Sun reaches Earth in only a few seconds.

43. _____ Centigrade and Celsius refers to the same temperature scale.

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SECTION QUIZ 2-2

Complete the Life Principles.

44. *"Wise people learn not to repeat previous _____."*

45. *"Man's chief purpose. . . is the. . . preservation of _____; (which) gives meaning to our civilization. . . ."*

46. *"_____ is derived from love."*

47. *"You can see by the light of _____."*

48. "*Whatever you _____ out to others will be measured back to you."*

Write the standard Arabic equivalent of each Roman numeral.

49. I = _____

50. V = _____

51. X = _____

52. L = _____

53. C = _____

54. M = _____

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