Name: _____

Date: _____ Grade: _____

SECTION QUIZ 1-1



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 2.2 points.

Match the terms:

1. _____ Matter	(a) definite volume but no definite shape
2. _____ Solid	(b) amount of matter in a thing
3. _____ Liquid	(c) definite volume and definite shape
4. _____ Gas	(d) anything that has mass and takes up space
5. _____ Mass	(e) no definite volume and no definite shape

Match the terms:

6. _____ vertebrates	(a) major classifications of living things
7. _____ invertebrates	(b) animals with backbones
8. _____ atoms, molecules	(c) smallest particles of all matter
9. _____ plant, animal kingdoms	(d) states of matter
10. _____ solids, liquids, gases	(e) animals with no backbones

Use the following table to answer questions #11-13.

Length	Equivalent
10 millimeters (mm)	1 centimeter (cm)
100 centimeters (cm)	1 meter (m)
1,000 meters (m)	1 kilometer (km)

11. What is the equivalent of 1 kilometer? _____
    (a) 1 centimeter (c) 100 centimeters
    (b) 10 millimeters (d) 1,000 meters

12. What is the equivalent of 1 meter? _____
    (a) 1 centimeter (c) 100 centimeters
    (b) 10 millimeters (d) 1,000 meters

13. What is the equivalent of 10 millimeters? _____
    (a) 1 centimeter (b) 1 meter (c) 1 kilometer (d) 2 liters

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Multiple Choice: Choose the correct answer.

14. Pouring orange juice from a pitcher into a glass demonstrates: _____
_____.
(a) that liquid has a definite shape
(b) that gas does not have a definite shape
(c) that a liquid takes on the shape of its container
(d) none of these

15. The state of a substance depends on its: _____.
(a) weight (b) temperature (c) buoyancy (d) properties

16. Identifying how a substance reacts to light, air, water, or with other chemicals has to do with: _____.
(a) observing its physical properties (b) observing its chemical properties

17. What is the ability of a substance to burn? _____
(a) flammability (c) temperature
(b) oxidation (d) buoyancy

18. Something that is corrosive (is): _____.
(a) opaque (c) eats away at a substance
(b) transparent (d) lightweight

19. Which change only alters the appearance of a substance? _____
(a) physical (b) chemical (c) both a and b

20. Which type of change produces new substances with new properties? _____
(a) physical (b) chemical (c) both a and b

21. The formula for "Mistake Out" was originally discovered by a: _____.
(a) scientist (b) teacher (c) secretary (d) painter

22. What problem did the originator of "Mistake Out" want to solve?
_____
(a) how to paint holiday scenes on windows
(b) how to correct mistakes when using a typewriter carbon film ribbon
(c) how to correct mistakes when using a computer
(d) how to correct tellers at the bank when they gave incorrect change

23. A description of the characteristics of "Mistake Out" paint was a description of its:
_____.
(a) physical properties (c) both a and b
(b) chemical properties (d) neither of these

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Fill in the blank. Use words from the WORD BANK.

WORD BANK		
paints	physical	iron
chemical	aluminum	foods

24. _____ is a lightweight metal with many useful physical properties, but due to its chemical properties can pose health hazards when ingested.
25. If heat or light is given off, or a new substance forms, a _____ change takes place.
26. When size, shape or state of matter of a substance changes, a _____ change has taken place.

Match the terms for #28-32.

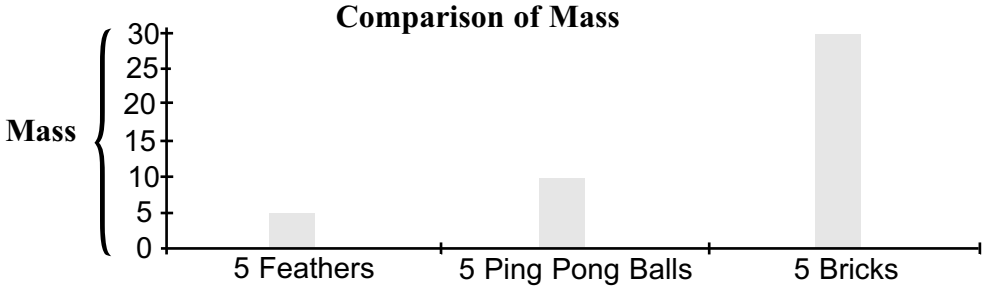
27. _____ SI units	(a) International Standard of Measurement for temperature
28. _____ length	(b) SI measurement in grams
29. _____ Volume	(c) International Standard of Measurement
30. _____ mass (weight)	(d) SI measurement in meters
31. _____ Celsius	(e) amount of space a thing occupies, measured in liters

Complete the Life Principles.

32. *"A wise person learns what really matters in life and sets _____ accordingly."*
33. *"The possibilities (of success) are measured by _____."*
34. *"Testing reveals our true _____."*
35. *"It is possible at anytime to change one's . . . goals and _____."*
36. *"_____ is the mother of invention."*

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Use the following graph below to answer questions #37-38.



37. Which contains the most mass? _____
    (a) feathers (b) ping pong balls (c) bricks

38. Which contains the least mass? _____
    (a) feathers (b) ping pong balls (c) bricks

Use the following table below to answer questions #39-42.

Property	Physical	Chemical
color	x	
smell	x	
taste	x	
hardness	x	
temperature at which boils, melts, or freezes	x	
flammability		x
how a substance reacts with air		x
how a substance reacts with light		x
how a substance reacts with water		x
how a substance reacts with water		

39. When you describe how sodium reacts with water, what are you identifying?

    _____
    (a) a physical property (b) a chemical property

40. When you describe gold as being scratched with a knife, what are you identifying?

    _____
    (a) a physical property (b) a chemical property

41. When you describe the flammability of wood, what are you identifying?

    _____
    (a) a physical property (b) a chemical property

42. When you describe water as freezing at 0ºC, what are you identifying?

    _____
    (a) a physical property (b) a chemical property

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Use the following table below to answer questions #43-46.

Clues that Show that a Chemical Change has Occured
Color changes.
A gas is given off.
A solid is formed.
Heat and/or light are given off.
A new substance with new identifying properties is formed.

43. A gas is given off during a physical change. (a) True or (b) False

44. If there is a color change, a chemical change has occurred.
(a) True or (b) False

45. Heat and/or light are given off during a physical change. (a) True or (b) False

46. You mix two chemicals during an experiment. A solid is formed. What has occurred?

_____

(a) a chemical change (b) a physical change

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