Name: _____

Date: _____ Grade: _____

SECTION QUIZ 2-3



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 2.08 points.

Multiple Choice: Choose the correct answer.

1. A pan balance for measuring weight is similar to a: _____.
   (a) balance wheel (c) seesaw
   (b) pendulum (d) long straight wire

2. A chronometer is an accurate instrument for measuring: _____.
   (a) time (b) temperature (c) light waves (d) weather patterns

3. Electricity going through a quartz crystal causes the crystal to: _____.
   (a) change state (b) explode (c) generate microwaves (d) vibrate

4. A _____ has neither a definite shape nor a definite volume.
   (a) solid (b) mass (c) liquid (d) gas

5. The state of matter with a definite shape and definite volume is a: _____.
   (a) gas (b) liquid (c) solid (d) none of these

6. The state of matter that can flow and has a definite volume is a: _____.
   (a) gas (b) liquid (c) solid (d) none of these

7. If mercury is described as a liquid, it is understood that it is: _____.
   (a) a liquid at room temperature (c) only liquid when heated until it glows
   (b) always a liquid under all conditions (d) only liquid if under intense pressure

8. The substance that keeps the temperature from rising or falling quickly is: _____.
   (a) carbon dioxide (b) oxygen gas (c) silicon dioxide (d) water

9. The first step in answering a scientific question is to: _____.
   (a) collect information (c) form a hypothesis
   (b) conduct an experiment (d) state a scientific law

10. A hypothesis is a(n): _____.
    (a) table of data
    (b) well established answer to a scientific question
    (c) explanation with predictive power
    (d) first explanation for a set of facts

11. Which is **NOT** a factor in global warming? _____
    (a) burning of fuels (c) volcanoes
    (b) increasing heat from the sun (d) amount of carbon dioxide in the air

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SECTION QUIZ 2-3

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

WORD BANK

greenhouse	gravity	adds	winds	hurricane	volume
removes	sunset	beam	volcano	climate	spring
weather	weight	sunrise	matter	carbon dioxide	

12. Mass is the amount of _____ an object contains.
13. In the same gravity field, two objects that have the same mass will have the same _____.
14. The action of carbon dioxide in trapping heat in the atmosphere is sometimes called the _____ effect.
15. Since 1850, the amount of _____ in the atmosphere has increased.
16. The burning of fuels _____ carbon dioxide to the air.
17. A _____ balance is used in grocery stores to weigh produce (fruits, vegetables).
18. _____ balance scales can be found in doctor's offices.
19. Daily temperatures are usually coolest just at _____.
20. The condition of the atmosphere at any given time is called _____.
21. _____ distribute heat from the Sun.

True or False. Write the correct answer.

22. _____ As the temperature of a substance becomes cooler, its molecules move more slowly.
23. _____ The ice cap at the North Pole is covering a greater surface area and becoming thicker.
24. _____ The surface of the Earth is equally heated by sunlight.
25. _____ A city with clouds overhead is more likely to become cool quickly at night than is a desert with clear, dark skies.
26. _____ A controlled observation is an experiment.
27. _____ Scientific law can be changed as new data is discovered and tested.
28. _____ Climate and weather are the same.
29. _____ Weather is caused by combinations of sunlight, wind and water (moisture).
30. _____ Trade winds are caused by uneven heat from the sun and high tides.
31. _____ A theory is an idea that is between an untested hypothesis and an error-free scientific law.

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SECTION QUIZ 2-3

Matching:

32. _____ absolute zero
33. _____ seasons
34. _____ climate
35. _____ winds
36. _____ Sun
37. _____ bodies of water
38. _____ Ice Age
39. _____ states of matter
40. _____ melting temperature
41. _____ boiling temperature
42. _____ condensation temperature
43. _____ freezing temperature

(a) result of Earth's rotation and uneven heating of the atmosphere

(b) Earth experienced most dramatic climate changes

(c) liquids turn to gases

(d) all molecules in a substance cease moving

(e) heats the Earth

(f) solids, liquids, gases

(g) gases change to liquids

(h) caused by tilt of Earth's axis in relation to the Sun

(i) solids turn to liquids

(j) liquids turn to solids

(k) store heat from the Sun

(l) consistent weather conditions of an area over time

Complete the Life Principles:

44. *"_____ is the course of action that frees the mind of uncertainty."*
45. *"Our states of mind, like states of matter, fluctuate with the _____ of our surroundings."*
46. *"A true _____ sticks by you in any kind of weather."*
47. *"'Blowing off' _____ often results in shipwrecked lives."*
48. *"What is new is not always _____, and what is true is not always new."*

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