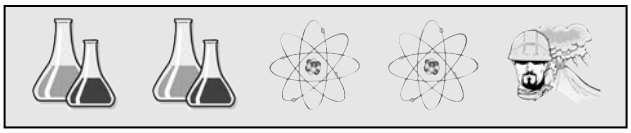
Name: _____

Date: _____ Grade: _____

SECTION QUIZ 3-3



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 2.3 points.

Matching: Choose the correct answer.

1. _____ acids
2. _____ bases
3. _____ *NaCl*
4. _____ electrons
5. _____ nucleus
6. _____ atomic weight/mass
7. _____ electromagnetism

(a) contains an atom's protons and neutrons
(b) dependent on flow of electricity to the object
(c) removes grease, corrodes metals, turns blue litmus red
(d) total number of protons and neutrons in nucleus of an atom
(e) have the main role in chemical reactions and in generating electricity
(f) bitter tasting, soapy feeling, turns red litmus blue
(g) sodium chloride, common table salt

Multiple Choice: Choose the correct answer.

8. The number of _____ does not change during a chemical reaction.
   (a) electrons (c) molecules
   (b) protons (d) atoms

9. Thomas Edison invented the _____ light bulb for home use in 1879.
   (a) fluorescent (c) incandescent
   (b) arc lamp (d) neon

10. Which type of map is used in weather forecasting? _____
    (a) topographical (c) meteorological
    (b) nautical (d) archaeological

11. Where is ozone more abundant? _____
    (a) in the hydrosphere
    (b) in the troposphere
    (c) in upper atmospheric levels
    (d) in the lithosphere

12. By what means do batteries produce electricity? _____
    (a) by means of sunlight and solar cells
    (b) by chemical means
    (c) by means of friction
    (d) by means of osmosis

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SECTION QUIZ 3-3

True or False: Write the correct answer.

13. _____ Neutrons are so named because they have no charge.
14. _____ A nuclear reaction changes the nucleus of an atom.
15. _____ Elements above 92 on the Periodic Table are naturally occurring and very stable.
16. _____ Nuclear power plants produce nuclear weapons.
17. _____ Solar cells show great potential as the main source of electricity for the future
18. _____ Most electricity is produced by batteries and generators.
19. _____ Earth is the only planet designed to support life.
20. _____ All magnets have north and south poles and attract iron.
21. _____ Earth is the only planet that has water in all three states of matter.

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

WORD BANK

oceans	radioactive decay	neutralize	electricity	sulfuric
chemical	oxygen	hydrochloric	lightning	solar cells

22. When acids and bases combine, they _____ each other.
23. _____ acid is used in such things as batteries, paints, fertilizers and explosives.
24. The wrong mixture of protons and neutrons causes an atom to be unstable and to undergo _____.
25. _____ generate electricity from sunlight.
26. Electricity can be generated from sunlight, friction or by _____ means.
27. Light, mechanical motion, heat and magnetism are produced by _____.
28. Heat producing effects of electricity were first observed in _____.
29. Hydrogen, oxygen, sodium and chlorine are the most abundant elements in the _____.
30. _____ is the most abundant element in the lithosphere and hydrosphere, is one of the most active elements and forms compounds with most other elements.

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SECTION QUIZ 3-3

Matching: Choose the correct answer.

31. _____ states of matter in hydrosphere
32. _____ topographical maps
33. _____ nautical charts
34. _____ meteorological maps
35. _____ atmosphere
36. _____ hydrosphere
37. _____ lithosphere
38. _____ troposphere

(a) includes all forms of water on Earth

(b) deal with wind speed, temperature, humidity, air pressure

(c) lowest level of atmosphere, where most weather conditions occur

(d) deal with large bodies of water, location of islands and underwater hazards, lighthouses and channel markers

(e) composed mostly of nitrogen and oxygen gases

(f) Earth's crust

(g) show elevation, shape of land, small bodies of water

(h) water, ice, vapor

Complete the Life Principles.

39. *"Wise people strive to be efficient and 'worth their _____.'"*
40. *"A _____ person endures life's changes without a sense of great adversity."*
41. *"The best way to _____ your own problems is to help someone else overcome his problems."*
42. *"It is better to _____ than to curse the darkness."*
43. *"Your _____ determines your altitude in life."*

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