ACTIVITY ANSWER KEY

Chapter 7, Section 2

Check your answers from the Answer Key.
Correct all errors, then complete your next goal.



Lesson 6: *Energy*

Inside the Atom–The Electron

1. (b) False
2. (b) False
3. (b) False
4. (b) black
5. (c) heated air molecules
6. radiometer
7. Cathode
8. (b) ***cathode ray tube***
9. electrons
10. particles (that traveled in a straight line)
11. (b) negative
12. (c) exactly the same negative charge
13. (a) True
14. (a) 1/1837 the mass of a hydrogen ion
15. (a) True
16. oil-drop
17. smaller
18. (a) e-
19. negative
20. *"All my life through, the new sights of nature made me rejoice like a child."*



Lesson 7: *Energy*

Inside the Atom

1. (a) True
2. small
3. (d) its waves are too large
4. (d) twice that of an electron, but of the opposite sign
5. (a) a helium atom
6. (c) gold can be hammered into very thin sheets
7. (a) a high speed and mass
8. (c) be scattered in all directions
9. gold foil
10. (b) False
11. nucleus
12. (d) crashed through and kept right on going
13. (a) positive
14. repelled
15. electrons
16. hydrogen
17. (d) p^+
18. neutrons
19. six
20. (c) an electrical charge
21. 12, 6, 4, 4
22. *"What you learn after you think you know it all is what counts."*



Lesson 8: *Compounds*

Chemical Bonding

1. (d) fluorine
2. (d) the tank had not lost any weight
3. inert
4. (b) the human body tolerates it
5. (b) False
6. less
7. chlorine
8. (b) ionic
9. (b) covalent

10. (a) one electron
11. seven
12. eight
13. covalent
14. two
15. eight
16. (b) two
17. (a) ***fluorocarbons***
18. shared electrons, shared electrons
19. (d) ***polymer***
20. *"A person's mind is like gelatin; try to fill it with good stuff before it sets."*



Lesson 9: *Elements*
Fluorine, Chlorine and Bromine

1. (c) ultraviolet light
2. (d) fluorescent mineral
3. (a) True
4. (b) hydrofluoric
5. (b) Fluorine
6. (b) False
7. (b) Chlorine
8. 2
9. (c) oxygen
10. (d) carbon tetrachloride
11. (a) contains no water
12. deaden pain
13. (a) extract it from the atmosphere
14. *Br*
15. (b) False
16. (b) chlorine
17. (b) False
18. Sedatives or Bromides
19. bromine
20. Silver bromide
21. *"In questions of science, the authority of a thousand is not worth that humble reasoning of a single individual."*



Lesson 10: *Elements*
Iodine, Astatine and Halogens

1. water
2. (d) seaweed
3. (b) False
4. *I*
5. (a) solid
6. (a) Fluorine
7. (c) Iodine
8. (c) iodine
9. iodine
10. (a) Silver iodide crystals
11. (b) False
12. *At*
13. unstable
14. (b) False
15. (d) salts
16. balanced
17. hydrofluoric
18. chloride
19. _c_ fluorine
20. _d_ chlorine
21. _e_ bromine
22. _b_ iodine
23. _a_ astatine
24. *"In the arena of human life, the honors and rewards fall to those who show their good qualities in action."*

Ask for your QUIZ over Section 2.
Reminder: Students who score 85% or higher on the three section quizzes may be exempt from the chapter test!