ACTIVITY ANSWER KEY

Chapter 1, Section 2

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

Lesson 6: *Chemistry*

Atoms—Early Discoveries

1. (d) matter is made up of small particles with common properties
2. (b) regardless of how small an object is cut, it retains the same properties
3. (b) False
4. electricity
5. _a_ Negative charge
6. _b_ Positive charge
7. _c_ Neutral charge
8. nucleus
9. (any order) protons, neutrons
10. (a) positively
11. Electrons
12. neutral
    . (a) True
13. subatomic particles
14. (b) False
15. (a) True
16. evidences (or proofs, results or testimonies)
17. (c) Mrs. Franklin wanted to provide a baseball park.
18. *"Some things have to be believed to be seen."*

Lesson 7: *Chemistry*

Structure and Function of the Atom

1. Models, visualize
2. model
3. Neils Bohr, atom
4. planetary model
5. solar system
6. (e) a barnyard: dog and chickens
7. 2
8. Level Three
9. 32
10. Level Two
11. atomic number
12. (c) electrons as protons
13. APE, protons, electrons
14. 1
15. helium
16. 9
17. Oxygen
18. Boron
19. neutron
20. (b) False
21. nucleus
22. (b) proton and neutron
23. 1
24. 0.0005
25. (d) a World Series Chicago Cubs uniform
26. *"Setting a good example is a model for others to follow."*

Lesson 8: *Chemistry*

Elements

1. atom
2. cannot
3. (b) False
4. 92
5. (b) False
6. (a) True
7. Aristotle; (any order) earth, air, fire, water
8. (a) it proved that water was composed of two elements
9. (c) symbols were being used at that time for algebra and physics
10. Latin

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11. Carbon
12. *He,* 2
13. symbol
14. Beryllium
15. Boron
16. (a) True
17. *Cl*
18. potassium
19. 26
20. (b) the Babe Ruth baseball bat
21. *"A wise person changes the things in his or her life that need changing and accepts those things that cannot be changed."*
22. (a) *O*
23. (b) *Ne*
24. (b) *Li*



Lesson 9: *Chemistry*
Organizing the Periodic Table

1. identifying
2. elements
3. mass
4. neutrons
5. Electrons
6. (c) Properties of groups of elements repeat in a pattern.
7. atomic number, least, greatest
8. _b_ ***families***
9. _d_ ***periods***
10. _a_ metals
11. _f_ ***malleable***
12. _e_ ***ductile***
13. _c_ nonmetals
14. (a) True
15. (any order) similarities, differences
16. (a) True
17. *"Things done decently and in order improve understanding and efficiency."*
18. (b) The numbers become larger going from the top to bottom and left to right on the chart.
19. 1.0
20. 15.9
21. Beryllium
22. Neon



Lesson 10: *Chemistry*
Interpreting the Periodic Table

1. (c) map
2. (c) atomic number
3. (d) symbol
4. (a) symbol
5. atomic mass; (any order) protons, neutrons
6. (a) atomic number,
   (b) atomic mass,
   (c) symbol of name,
   (d) element name
7. (b) Vertical
8. Roman numerals, 8
9. resemble, react
10. (a) True
11. (a) True
12. alkali metals
13. alkaline earth metals
14. I (1), II (2), III (3), IV (4), V (5), VI (6), VII (7), VIII (8)
15. noble gases
16. (a) True
17. *"Basic elements of love, joy and peace characterize stable, happy families."*
18. (a) the atomic number
19. (c) *O*
20. (b) copper
21. *Mg*, 24.3
22. *K*, 39.1
23. *S*, 32.0
24. *Ne*, 20.1
25. *He*, 2
26. *Na*, 11
27. *Ag*, 47
28. *Au*, 79
29. *Pb*, 82
30. (a) True
31. (c) bromine, iodine, astatine
32. (d) family VIII
33. 5
34. (b) False
35. compare

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!

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