ACTIVITY ANSWER KEY

Chapter 1, Section 3

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

Lesson 11: *Chemistry*

Kinds of Chemical Bonds

1. chemical bonds
2. atoms
3. compound
4. covalent bond
5. stable
6. Ionic
7. (b) ionic
8. covalent
9. sodium chloride
10. (b) False
11. (b) False
12. (a) an atom loses an electron
13. negative
14. (a) True
15. (b) Sodium loses an electron and chlorine gains an electron.
16. table salt
17. melted, dissolved in water
18. (a) True
19. (c) chemical bonds are formed to . . .
20. communicated
21. *"Like many atoms, we can become more stable by losing negative influences and gaining positive ones."*
22. (d) They both are molecules and they both contain oxygen.
23. 1
24. 2
25. 2

Lesson 12: *Chemistry*

Adhesives

1. chemists
2. (d) adhesive
3. (b) False
4. (b) adhesion
5. (a) cohesion
6. (any order) rubber cement (rubber), casein glue (milk protein), paste (flour and water)
7. (c) Super Glue
8. (b) How to keep bookmarks from . . .
9. (c) Post-It Notes
10. (d) organizational
11. *"Every failure can be a stepping stone to something better."*
12. Super Glue
13. White Glue
14. Rubber Cement
15. Super Glue
16. Animal Glue
17. Greece
18. Wild Flower Glue
19. Holland
20. Synthetic Glue
21. 1995

Lesson 13: *Chemistry*

Chemical Formulas

1. (a) True
2. symbols and numbers
3. (c) sodium bicarbonate; $NaHCO_3$
4. (c) leavening agents
5. rise
6. (b) False

7. water
8. hydrogen, oxygen
9. CO_2, carbon, oxygen
10. H_2O_2, hydrogen, oxygen
11. (wording may vary) in Mrs. Franklin's pantry
12. *"Formula for success: study + work + preparation + perseverance."*
13. $NaHCO_3$
14. 3
15. 2
16. SO_2
17. water
18. 2
19. H_2O_2
20. 2
21. carbon dioxide
22. NH_3
23. 3
24. (a) True
25. (a) True

Lesson 14: *Chemistry*
Chemicals that Clean

1. dirt, color, size
2. bases, negative
3. bitter taste, feel slippery
4. Acids, positive
5. Weak, sour
6. sulfuric acid, lye
7. (c) test it with litmus paper
8. (b) False
9. (a) True
10. (b) False
11. (a) True
12. (a) True
13. (d) to describe the strengths of acids . . .
14. acid
15. base
16. neutral
17. (b) how to prevent hair loss
18. (a) True
19. black female millionaire
20. generous, organized
21. *"Beauty and optimism go hand in hand."*
22. (b) False
23. bitter
24. sour
25. acids
26. bases
27. *NaOH*
28. batteries
29. Vitamin C
30. (any order) NH_4OH, *NaOH*

Lesson 15: *Chemistry*
Things that Matter

1. _c_ ***Graphite***
2. _d_ ***Titanium***
3. _e_ ***Synthetic rubber***
4. _a_ ***Silicon***
5. _b_ ***Boric acid***
6. (c) The supply of natural rubber to the United States was cut down due . . .
7. (b) synthetic rubber
8. (c) truck tires, boots, airplane tires
9. (b) silicon
10. (c) boric
11. (b) pH test
12. (c) neutral
13. (b) bounced and stretched
14. (b) False
15. (a) True
16. Peter Hodgson, Silly Putty™
17. management, organizational
18. *"Going out of your way to show kindness matters: 'what goes around, comes around'."*
19. Butyl
20. Buna
21. Neoprene
22. 1931
23. 1940

Ask for your QUIZ over Section 3.
Reminder: Students who score 85% or higher on the three section quizzes may be exempt from the chapter test!