ACTIVITY ANSWER KEY

Chapter 8, Section 2

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

Lesson 6: *Compounds*
Organic Acids and Ethers

1. acid
2. (b) *COOH*
3. HCO_2H
4. $C_2H_4O_2$
5. (c) formic
6. stinging nettles
7. Formica
8. (b) False
9. (d) preserve specimens
10. (c) a good solvent of organic material
11. acetic acid
12. (b) *acetic*
13. (a) Lactic
14. (d) oxygen
15. CH_3OCH_3
16. $C_2H_5OC_2H_5$
17. general
18. (a) he did not publish his results soon enough
19. (b) False
20. *"What you are will show in what you do."*

Lesson 7: *Inventions & Discoveries*
Plastics

1. plastic
2. (c) capable of being molded
3. Leo Baekeland
4. George Eastman
5. Bakelite
6. (b) False
7. (b) False
8. (c) ***thermosetting*** plastic
9. Polyethylene
10. (a) single
11. (b) inert
12. (a) True
13. pencil
14. (b) ***polymer***
15. difficult
16. neoprene
17. (b) Neoprene
18. (c) sodium
19. (a) improves the properties
20. *"The path is smooth that leads on to danger."*

Lesson 8: *Compounds*
Alcohol

1. (c) *OH*
2. CH_3OH
3. (b) wood alcohol
4. (c) methanol
5. fatal
6. C_2H_5OH
7. (c) ethyl
8. ethyl alcohol
9. (b) False
10. gasohol
11. (a) it is denatured
12. (b) alcohols
13. (d) Methyl alcohol
14. (a) $C_2H_4(OH)_2$

15. glycol
16. antifreeze
17. poisonous
18. Glycerol
19. (d) keep them moist
20. *"Right is right, even if everyone is against it; and wrong is wrong, even if everyone is for it."*



Lesson 9: *Compounds*
Changing Molecules

1. (c) yeast cells
2. Yeast
3. enzyme
4. (b) False
5. (c) ***lactase***
6. (a) ***pasteurization***
7. (c) cracking
8. (a) ***polymerization***
9. substitution
10. CH_4
11. $CHCl_3$
12. CCl_4
13. (c) methane
14. (b) contain carbons
15. (a) True
16. isomers
17. Butane
18. isomers
19. (d) have the same number and type of atoms
20. *"The person who moves a mountain begins by carrying away small stones."*



Lesson 10: *Compounds*
Carbohydrates

1. oxygen
2. (a) abundant
3. (c) carbohydrate
4. (c) half
5. more
6. (a) True
7. (b) enzymes released by bacteria in the cow's stomach
8. Glucose
9. (b) carbohydrate
10. (d) starch in cereals, potatoes and rice
11. complex
12. $C_6H_{12}O_6$
13. (d) glucose
14. (d) regulate the amount of *blood sugar*
15. (a) glucose
16. calories
17. (b) cane sugar
18. $C_{12}H_{22}O_{11}$
19. (c) fruits
20. (d) *Maltose*
21. (b) False
22. (b) False
23. sugar
24. (b) lard
25. heart
26. *"The real mistakes in life are moral violations that we could have avoided."*

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!