ACTIVITY ANSWER KEY

Chapter 3, Section 2

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

Lesson 6: *Elements*
Medieval Metals

1. chemical
2. (b) False
3. (a) geology
4. *As*
5. (c) ***semimetallic*** element
6. (a) has both metallic and nonmetallic properties
7. different
8. (c) more metallic
9. poison
10. (a) True
11. (a) True
12. (a) arsenic
13. *Sb*
14. (d) cosmetic
15. trisulfide (or sulfide)
16. (b) expands
17. (a) True
18. (d) bearings in machines
19. *Bi*
20. (c) melt
21. (a) True
22. bismuth
23. *"Courage is resistance to fear, mastery of fear — not absence of fear."*

Lesson 7: *Elements*
Platinum and Zinc

1. *Pt*
2. (a) gold
3. (a) platinum
4. (c) Russia
5. (b) False
6. (c) lead
7. (d) hydrochloric acid
8. (c) relatively inert
9. (b) ***catalyst***
10. (b) complete the process of combustion
11. *Zn*
12. (b) zinc
13. harder
14. (a) True
15. (d) zinc
16. (b) zinc and steel
17. (b) ***galvanizing***
18. molten
19. (a) electricity
20. electricity
21. (b) False
22. (a) Luigi Galvani
23. (c) the battery from leaking
24. (b) False
25. *"Imagination gives wings to our thoughts, but we always need decisive experimental proof."*



Lesson 8: ***Elements***
Cobalt, Nickel, Manganese, Molybdenum and Tungsten

1. *Co*
2. (a) True
3. (a) blue
4. (b) iron
5. (a) True
6. (d) resist heat
7. $CoCl_2$
8. (b) humidity
9. *Ni*
10. (a) True
11. (a) copper
12. (b) False
13. (a) copper
14. (b) nickel
15. *Mn*
16. (a) make it clear
17. (c) manganese alloy
18. (a) True
19. *Mo*
20. (b) False
21. (b) metal
22. filament
23. (a) carbon
24. (d) keep the filament from boiling away
25. platinum
26. zinc
27. cobalt
28. nickel
29. manganese
30. tungsten
31. *"In everything I believe the secret of success is prolonged effort."*



Lesson 9: ***Atmosphere***
Gases and the Atmosphere

1. gas
2. (b) False
3. 0
4. (b) tungsten
5. 100
6. (b) helium
7. temperature
8. (b) liquid
9. (c) gas
10. (a) True
11. (b) at sea level
12. 0
13. (b) False
14. lower
15. (c) 11
16. (c) gases
17. nitrogen
18. chlorine
19. fluorine
20. Hydrogen
21. (d) nitrogen
22. (a) True
23. air above a particular spot on earth
24. (a) True
25. more
26. (a) ***troposphere***
27. (d) stratosphere
28. O_3
29. (b) ultraviolet rays
30. (b) atmosphere
31. (c) ionosphere
32. (b) False
33. *"To be happy at work, do what you enjoy or enjoy why you do it."*



Lesson 10: *Atmosphere*
Air Pressure and Humidity

1. (d) of outside air pressure
2. (d) to the top of the atmosphere
3. (b) 760 millimeters high
4. (b) False
5. falls
6. dry
7. (a) grows less
8. (a) 10
9. (c) less
10. nitrogen
11. oxygen
12. (b) False
13. cold
14. (c) a tropical rain forest
15. more
16. heat
17. (b) False
18. (b) relative
19. (d) 100
20. dependent
21. dew point
22. (b) the temperature of a dry-bulb thermometer
23. saturated
24. *"Few men during their lifetime come anywhere near exhausting the resources dwelling within them. There are deep wells of strength that are never used."*

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!