ACTIVITY ANSWER KEY

Chapter 3, Section 1

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



Lesson 1: *Compounds*

Chemical Nomenclature

1. (b) False
2. science
3. scientists
4. Antoine Laurent Lavoisier
5. (b) False
6. (b) False
7. caloric
8. (b) False
9. (b) gases
10. (b) nonmetals
11. *F*
12. *B*
13. (a) metals
14. *Sb*
15. *Bi*
16. *Pt*
17. *As*
18. *Zn*
19. metals
20. (a) metal
21. Helium
22. nonmetal
23. H_2SO_4
24. hydrochloric
25. (b) False
26. (a) first
27. carbon
28. mon-, or mono-
29. di-, or bi-
30. (d) five
31. (a) carbon monoxide
32. (c) four
33. (b) two
34. *"A good name is more important than great riches."*



Lesson 2: *Elements*

Lavoisier's List of Elements

1. (b) False
2. *S*
3. (b) nonmetal
4. inefficient/poor
5. ancient
6. (b) False
7. (c) brimstone
8. SO_2
9. (c) toxic
10. Sulfur
11. (b) in the tropics
12. (c) rainproof sheets
13. (a) stiff
14. (d) sulfur
15. flexible
16. elastic
17. (d) ***elastic***
18. (b) in debt
19. (d) automobile tires
20. sulfur
21. (b) *oil of vitriol*
22. (d) heat
23. H_2SO_4
24. (b) False
25. (c) a brittle, yellow nonmetal whose most important uses are in the vulcanization process of rubber and in the production of sulfuric acid

26. *"A room without books is like a body without a soul."*



Lesson 3: *Elements*
Sulfur: Uses and Production

1. (a) True
2. (b) ***radical***
3. bacteria
4. (d) white cells
5. (b) on the skin
6. (b) False
7. (c) dyes
8. (c) infectious bacteria
9. (b) False
10. (b) killing human cells
11. II
12. economic success
13. (c) Sicily
14. (a) True
15. (b) bringing sulfur to the surface through pipes
16. phase
17. (b) solid
18. (a) True
19. (a) True
20. (a) ***crystalline***
21. *"Most of our obstacles would melt away if instead of cowering before them, we should make up our minds to walk boldly through them."*



Lesson 4: *Compounds*
Chemists Make Diamonds

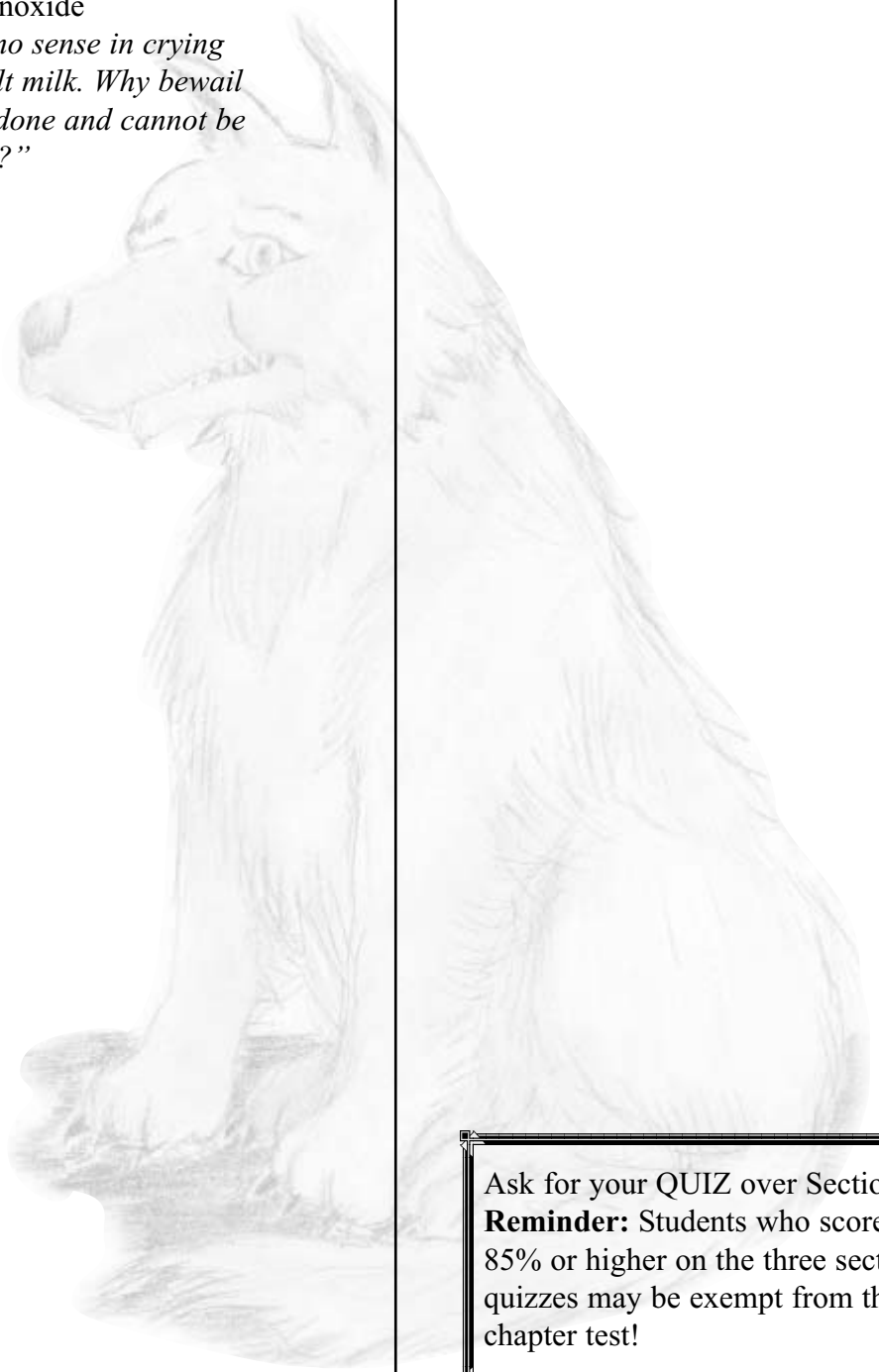
1. (b) nonmetallic
2. allotropic
3. Diamond
4. crystalline
5. (b) physical
6. (c) softest
7. (b) between 7 and 8
8. (d) rock drills
9. (d) ***refraction***
10. (c) separate white light into colors
11. (a) True
12. (d) poorly
13. (d) poorly
14. (d) poorly
15. (b) well
16. (b) False
17. 1/5
18. 1/100
19. (d) South Africa
20. 100
21. (b) warm
22. (a) carbon
23. coal
24. (b) False
25. *"Ability is what you are capable of doing. Motivation determines what you do. Attitude determines how well you do it."*



Lesson 5: *Compounds*
Graphite and Coal

1. (b) False
2. crystal
3. (a) dry *lubricant*
4. conduct, resist
5. (d) graphite and clay
6. (b) False
7. (c) amorphous
8. (b) wood
9. (a) coal
10. (a) True
11. (b) ***destructive distillation***
12. carbon
13. (b) False
14. lignite
15. bituminous
16. (b) False

17. anthracite
18. (a) carbon
19. large
20. 12.000
21. Carbon-14
22. methane
23. carbon dioxide
24. carbon monoxide
25. *"There is no sense in crying over spilt milk. Why bewail what is done and cannot be recalled?"*



Ask for your QUIZ over Section 1.
Reminder: Students who score 85% or higher on the three section quizzes may be exempt from the chapter test!