ACTIVITY ANSWER KEY

Chapter 2, Section 2

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



Lesson 6: Light and Sound

Light

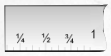
1. (a) a vacuum
2. (a) True
3. (a) mirage
4. (a) faster
5. time
6. (a) astronomer
7. (c) light delay between Jupiter and Earth
8. (b) 186,000 miles per second
9. (b) takes about 8⅓ minutes to reach the Earth
10. (d) moved in opposite directions
11. (a) becomes four times greater
12. (a) True
13. Inverse-Square
14. (c) light
15. measuring light
16. cracked plate
17. (a) True
18. *"You can see by the light of hope."*



Lesson 7: Light and Sound

Electricity

1. (c) ancient Greeks
2. (a) amber
3. (a) True
4. nonmetals
5. (a) copper
6. neutral
7. (any order) positive, negative
8. negative, positive
9. (a) like
10. (a) attract
11. (a) opposite
12. (b) uncharged
13. (a) dangerous
14. Leyden jar
15. static electricity
16. magnetic field
17. (c) ampere
18. Andre Ampere
19. of the danger from unexploded shells. . .
20. (c) solve the mystery of Danger Island
21. *"Wise people learn not to repeat previous mistakes."*

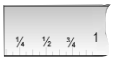


Lesson 8: Measurement

Large Numbers and the Mole

1. I, V, X, L, C, M
2. (b) subtract
3. (b) False
4. Archimedes
5. (b) Archimedes
6. (b) did not make as many
7. (b) False
8. place value
9. zero, place value
10. (c) $1.86 * 10^5$
11. 1,000,000
12. Kilo
13. 10^2
14. 10
15. Unit
16. watts
17. million
18. (b) False
19. (g) mole
20. grams, atomic weight

21. Del
22. wolf
23. *"Man's chief purpose. . . is the. . . preservation of values; (which) gives meaning to our civilization."*
24. I, VI, XI, XVI
25. II, VII, XII, XVII
26. III, VIII, XIII, XVIII
27. IV, IX, XIV, XIX
28. V, X, XV, XX



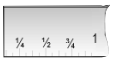
Lesson 9: Measurement

Derived Units and Small Numbers

1. (a) derived
2. (d) width
3. (d) 140 square yards
4. (a) True
5. (a) mi^2
6. 3 square miles
   1 square feet
   2 square yards
7. (c) multiply 55 by 63
8. (a) True
9. (c) 100
10. hundredth
11. (b) deci
12. (d) -2
13. (c) thousandth
14. (c) micro
15. micro
16. (c) France
17. (b) False
18. (b) 1/10,000,000 of the distance from the equator to the North Pole
19. (a) True
20. (b) the base

(#21-27 order may vary)

21. meter, length or distance
22. kilogram, mass
23. second, time
24. Celsius degree, temperature
25. ampere, electric current
26. candela, intensity of light
27. mole, atomic particles
28. derived
29. (c) being followed by wolves
30. (wording may vary) covered with moss and overgrown weeds
31. *"Kindness is derived from love."*



Lesson 10: Measurement

Area and Density

1. acre, pastureland
2. (d) 640
3. (d) 10,000
4. (a) multiply
5. (b) derived
6. (any order) length, width, depth
7. (a) cup
8. two, four
9. four, eight, 16
10. (a) capacity
11. (b) False
12. 10
13. (b) quart
14. (any order) mass, length, volume
15. (a) True
16. (a) True
17. volume (or capacity)
18. (a) grams per cubic centimeter
19. (a) True
20. (c) 1.00 g/cm^3
21. (a) less
22. 2 The boys entered the mine.
    4 The boys pushed the ore cart . . .
    6 The lead wolf began sniffing . . .
    1 The wolf pack began to close . . .
    3 The boys pushed the door shut.
    5 The boys secured the ore cart . . .
    7 The boys stuffed the opening . . .
    8 The wolves tried to rip loose . . .
23. the rain coat, the leader
24. *"Whatever you measure out to others will be measured back to you."*

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!