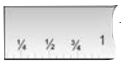
ACTIVITY ANSWER KEY

Chapter 2, Section 3

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



Lesson 11: Measurement

Tools for Measuring Time, Mass and Weight

1. (d) time
2. (a) pendulum clock
3. quartz crystal, electrical sparks
4. (d) vibrate
5. (a) atomic clock
6. (d) million years
7. (a) amount of matter an object contains
8. (b) False
9. (a) True
10. (a) pan balance
11. beam balance
12. (c) doctor's office
13. (b) the stretching of a spring to measure an unknown weight
14. (b) False
15. (b) more
16. (wording may vary) they hurried to leave the wolf area
17. picnic lunch
18. (b) False
19. *"Duty is the course of action that frees the mind of uncertainty."*



Lesson 12: Physics

Heat and Temperature

1. (any order) gas, solid, liquid
2. liquid
3. 100ºC
4. gas
5. (b) volume
6. (c) gas
7. liquid
8. liquid
9. solid
10. solid
11. (c) solid
12. gas
13. (a) True
14. (b) a liquid at room temperature
15. (a) True
16. (a) more slowly
17. (d) stop moving
18. (d) William Thomson (Lord Kelvin)
19. (a) Celsius
20. town, Shell Island
21. (b) False
22. *"As with states of matter, our state of mind fluctuates with the 'temperature' of our surroundings."*



Lesson 13: Meteorology

Climate

1. (b) climate
2. climate, records, 30
3. (b) drought
4. Ice Age
5. Australia
6. (d) growing smaller in surface area and becoming thinner
7. (a) True
8. the Sun
9. (b) warmer
10. (a) greenhouse
11. freeze solid; heat, space
12. (a) increased

©Copyright 2005, Paradigm Accelerated Curriculum

13. (a) True
14. volcanoes
15. (b) False
16. (a) True
17. logical explanations; (wording may vary) Bryan's uncle would think the boys were not reliable
18. (a) True
19. *"A true friend sticks by you in any kind of weather."*

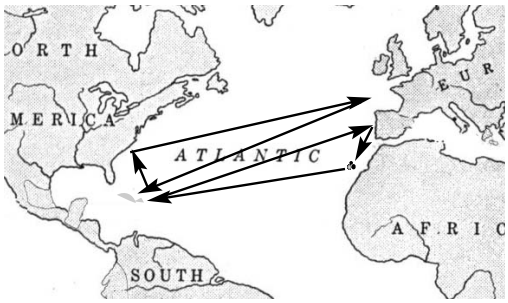
Lesson 14: Meteorology

Weather

1. weather
2. Heat energy, weather
3. 45
4. (wording may vary) the Earth rotates on its axis
5. 2:00, sunrise (or dawn)
6. bodies of water, clouds
7. (b) warmer
8. (b) a desert with clear sky
9. (any order) snow, ice
10. (b) water, (d) land
11. (c) the seasons
12. (a) difficult to notice
13. (a) True
14. equator, seasons
15. 134°F (or 56.7°C), -76°F
16. (any order) winds, sunlight, moisture
17. (b) stores heat
18. (c) distribute the heat
19. (b) uneven heating
20. (a) rotation of the Earth
21. triangular trade routes
22. (wording may vary) They were trying to determine how Del was able to move so fast.
23. *"'Blowing-off' good advice often results in shipwrecked lives."*
24.



25.



Lesson 15: Physics

Experimental Science

1. experiments
2. (a) True
3. (any order) Galileo, Kepler, Newton; logic
4. (d) air contracts and becomes dense
5. Falling temperature
6. asking questions
7. (a) collect information
8. (e) vision
9. measurement
10. (a) hypothesis
11. (a) True
12. magnet
13. (b) False
14. (c) theory
15. (b) scientific law
16. (b) False
17. scientific method, Del
18. *"What is new is not always true, and what is true is not always new."*

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!

©Copyright 2005, Paradigm Accelerated Curriculum