ACTIVITY ANSWER KEY

Chapter 3, Section 2

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

Lesson 6: *Health*

Fuel for the Body

1. (b) were dismissed until the next day
2. quality, nutritious
3. function
4. grow, repair, energy
5. X Both supply energy . . .
   X Both require specific . .
   __ Both use the same . . .
   ___ Both require the same . . .
6. (a) energy;
   (b) (any order) build, repair, maintain
   (c) regulate
7. (any order) water, carbohydrates, fats, proteins, vitamins, minerals
8. (any order) simple, complex
9. simple
10. complex
11. bad
12. good
13. essential
14. (any order) plant, animal
15. fat soluble, water soluble
16. major, trace
17. (c) proteins
18. (a) carbohydrates
19. (b) minerals
20. (c) good fats
21. (d) vitamins
22. (a) complex carbohydrates
23. (c) proteins
24. (a) Fat-soluble
25. (b) They are not stored in the body.
26. (a) It is a fat-soluble vitamin.
27. _c_ part of human body that is water
28. _d_ what water carries to the cells
29. _b_ what water transports out of . . . .
30. _a_ how much water you should . . . .
31. (c) an associate of Mr. Allen
32. *"Eat well to be well."*

Lesson 7: *Health*

Food Pyramid

1. (d) researched plants and designed a plan
2. six
3. (a) Fats, Oils, Sweets;
   (b) Milk, Yogurt, Cheese;
   (c) Meat, Poultry, Fish, Dry Beans, Eggs, Nuts;
   (d) Vegetables;
   (e) Fruits,
   (f) Bread, Cereal, Rice and other grains
4. (d) 6-11
5. (b) 3-5
6. (d) poultry, fish, dry beans, eggs, nuts
7. (c) Milk
8. (c) 2-3
9. (a) Bread, Cereal, Rice and other grains, 6-11
   (b) Vegetables, 3-5
   (c) Fruits, 2-4
   (d) Milk, Yogurt, Cheese, 2-3
   (e) Meat, Poultry, Fish, Dry Beans, Eggs, Nuts, 2-3
   (f) Fats, Oils, Sweets, eat sparingly
10. (d) approximately 40%
11. (c) approximately 35%
12. (d) approximately 20%
13. _b_ Citrus fruits

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14. _a_ Potatoes
15. _c_ Dark green or yellow vegetables
16. few
17. calories
18. (a) True
19. _2_ fruits, vegetables
    _4_ fats, sweets
    _3_ meats, dairy products
    _1_ whole grain products
20. _c_ carbohydrates
21. _b_ fats
22. _a_ proteins
23. _f_ vitamins
24. _d_ minerals
25. _e_ water
26. (c) fried foods
27. (b) False
28. (b) Vegetables high in vitamin A promote healthy, smooth skin and good eyesight.
29. (c) too much sugar can promote tooth decay, sugar diabetes and obesity; too much sodium can increase the risk of high blood sugar and heart problems
30. (c) problem that caused food to spoil
31. (b) developing healthy eating patterns
32. (a) breakfast
33. (d) stacks of boxes and a large machine covered with cloth
34. *"Failure to plan leads to failure; good planning leads to success."*



Lesson 8: *Geology*

<u>Rock Cycle</u>

1. (d) moved rocks from behind the toolshed and found fragments of ten-dollar bills
2. (a) True
3. (a) True
4. (any order) igneous, metamorphic, sedimentary
5. (b) intrusive rocks are formed below the Earth's surface; extrusive rocks are formed on or above the Earth's surface
6. (b) Upheavals due to compression or tension may cause intrusive rocks to come to the surface. Erosion of topsoil can also cause intrusive rocks to be exposed.
7. igneous
8. (a) True
9. (any order) water, wind, ice, gravity
10. Sedimentary rock
11. fossils
12. (a) pressure, heat; (b) melting, cooling; (c) erosion, weathering, compaction
13. the process by which Earth materials change to form different kinds of rocks
14. (a) True
15. heat, pressure, location of the rock
16. (c) sedimentary
17. (b) metamorphic
18. (a) igneous
19. (c) pumice
20. (c) sedimentary
21. (a) igneous
22. geology
23. Geologists
24. core, mantle, crust
25. (a) crust, (b) mantle, (c) core
26. (a) Geologists are consulted before drilling to find oil or blasting away sections of rocks and boulders to build highways or tunnels.
27. (c) re-planting trees after forest fires
28. a wheelbarrow
29. (a) peeking in the window
30. *"With determination you can move mountains."*

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Lesson 9: *Biology*

Changes

1. (e) only b and c
2. minerals, organic particles
3. wind, water, organic decay
4. (b) False
5. (any order) original geological materials, items planted in the soil, how the soil has weathered, human activity
6. (any order, wording may vary)
   (1) inorganic or nonliving components produced by surface rocks
   (2) soluble nutrients used by plants
   (3) various forms of organic matter (living and dead)
   (4) gases and water
7. (any order) water, carbon, nitrogen
8. (b) Humans can replant pine seedlings after forest fires to help prevent . . .
   (c) Humans can hunt and fish to decrease over populated animal groups.
   (e) Humans can remove or thin some plants to help others grow fuller and taller.
9. (a) True
10. predictable, interlinked
11. 4 animals decomposed by fungi . . .
    5 decomposers return nutrients . . .
    2 plants produce food by . . .
    3 plants consumed by animals. . .
    1 energy from the Sun
    6 plants use nutrients . . .
12. (b) False
13. color
14. humus
15. (d) making the soil more dense
16. resources
17. (a) watering, mulching and planting
18. *"Changes in your life are opportunities for learning new things."*



Lesson 10: *Physics*

Friction

1. (b) purchases with counterfeit money
2. (d) a resistant force
3. (c) A bike will slow to a stop unless the rider continues to peddle.
4. (b) force, surface area and surface texture
5. (a) The heavier box creates more friction between the box and the floor.
6. (c) The greater the surface area between the objects, the greater the friction.
7. (a) thin tires
8. (b) Sound and light travel in waves.
9. (a) use a lubricant
10. (d) Oil allows an engine to operate with less effort and helps an engine last longer.
11. lubricator
12. "the real McCoy"
13. railroads
14. friction, work
15. (any order) reduced, smoothed
16. ice skate
17. friction
18. basketball shoe
19. (a) Friction is good when it provides the ability to control movement. Friction is bad when it restricts the desired movement or causes systems to depreciate.
20. *"Avoiding friction in your life will make your days go smoother."*

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!

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