ACTIVITY ANSWER KEY

Chapter 2, Section 2

Check your answers from the Answer Key. Answers separated by commas may be in any order. Answers separated by semicolons must be in stated order. Correct all errors, then complete your next goal.



Lesson 6: The Human Body: *The Digestive System—Nutrition*

1. calorie
2. (d) 1500 and 1600
3. water, carbs, fats, proteins, vitamins, minerals, enzymes
4. (c) liter
5. "Batman"; prison
6. simple
7. complex
8. simple
9. simple
10. complex
11. (b) False
12. (a) True
13. (b) hormones
14. ___ margarine
    _X_ butter
    _X_ avocados
    _X_ nuts
    ___ French fries
    _X_ coconut
    _X_ olives
15. (b) cannot
16. (any three) nuts, eggs, fish, poultry, beef, cheese, yogurt, beans, legumes
17. vitamins
18. (c) fourteen
19. minerals
20. (c) calcium
21. (a) iron
22. (b) iodine
23. _c_ metabolic
24. _a_ digestive
25. _b_ immune enzymes
26. wide variety; natural
27. (wording may vary) sugar inhibits the immune system.
28. (c) Ascorbic acid
29. (c) C
30. (d) retinol
31. (c) iodine
32. (b) sodium/potassium
33. *"In large measure, we are spiritually what we believe, emotionally what we think, and physically what we eat."*



Lesson 7: The Human Body: *The Digestive System—Function*

1. digestive; energy
2. (a) True
3. (a) on the surfaces of the teeth
4 (c) mechanical
5. _b_ incisors
6. _c_ cuspids
7. _a_ molars
8. saliva
9. (b) amylase
10. (c) lysozyme
11. bolus
12. _b_ epiglottis
13. _e_ esophagus
14. _a_ peristalsis
15. _f_ cardiac sphincter
16. _c_ pepsin
17. _d_ chyme
18. _g_ duodenum
19. pyloric valve
20. duodenum; three

21. (b) small intestine
22. _b_ pancreas
23. _f_ liver
24. _c_ bile
25. _e_ gallbladder
26. _g_ villi
27. _d_ microvilli
28. _a_ lymph vessels
29. (a) True
30. (c) glycogen
31. cholesterol; fats
32. (b) False
33. jejunum; 10
34. ileum; 15
35. water; feces
36. (a) duodenum
    (b) ascending colon
    (c) appendix
    (d) ileum
    (e) transverse colon
    (f) jejunum
    (g) descending colon
    (h) sigmoid colon
    (i) rectum
    (j) anal canal
37. *"Let your food be your medicine and your medicine be your food."*



Lesson 8: The Human Body:
The Digestive System—The Amazing Liver

1. chemical
2. (a) True
3. (a) two
4. (a) True
5. blood cell
6. (d) all of these
7. bile
8. hormones, proteins
9. (b) False
10. (b) hepatitis
11. _b_ hepatitis A
12. _a_ hepatitis B
13. _c_ hepatitis C
14. (b) False
15. (b) cancer
16. (b) False
17. (b) cirrhosis
18. Metabolizes nutrients,
    Stores nutrients,
    Regulates critical substances in blood,
    Manufactures, replaces, recycles needed substances,
    Modifies, filters out, detoxifies, removes harmful substances
19. (A) fats, amino acids (proteins), carbohydrates
    (B) glucose; glycogen
20. (A) A, B, D, E, K
    (B) iron, zinc, magnesium, manganese
    (C) blood
21. (A) glucose
    (B) hormone
    (C) blood clotting
    (D) blood pressure
    (E) electrolytes, water
22. (A) iron
    (B) bile
    (C) blood clotting
    (D) liver
    (E) cholesterol, estrogen
    (F) enzymes
    (G) hormones
    (H) serum
    (I) immune
23. (A) tissue breakdown
    (B) drugs, chemicals, alcohol
    (C) toxins, bacteria
24. *"We are generally better persuaded by the reasons we discover ourselves than by those given to us by others."*



Lesson 9: The Human Body:
The Excretory System—Function

1. (b) excretion
2. Carbon dioxide
3. (b) excess water/salt

4. regulate
5. urea
6. (d) renal
7. (b) ureter
8. urinary bladder
9. (d) all of these
10. (c) nephrons
11. (d) glomerulus
12. (a) Bowman's capsule
13. (d) 99
14. (c) loop of Henle
15. (a) concentrated; dilute
16. (d) hypothalamus
17. (a) pituitary gland
18. (c) the body needs more water
19. (b) conversion of a toxin into a less toxic waste product
20. (b) distal
21. (a) cortex
22. capillaries
23. (a) Bowman's capsule, proximal tubule, loop of Henle, distal tubule, collecting duct
24. *"Water is the only drink for a wise man."*



Lesson 10: The Human Body:
The Excretory System—
The Amazing Kidneys

1. (d) twenty
2. 1.5 million
3. (a) urethra
4. (a) True
5. (b) dialysis
6. (c) fifth
7. kidney stones
8. uric acid, oxalic acid, calcium (salts)
9. red meat
10. magnesium
11. (b) False
12. (d) all of these
13. nephritis
14. dialysis technicians; dialysis
15. (a) True
16. *"A huge chip on your shoulder causes you to lose your balance."*

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!