THE HUMAN BODY: ORGANIZATION

You are making progress! Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.

Matching:

1. ____ Herophilus  (a) Greek physician; most famous in the Roman Empire
2. ____ Galen  (b) Flemish physician; used human cadavers in study of anatomy; authored medical illustrated textbook
3. ____ Vesalius  (c) Greek surgeon; pioneered study of human dissection
4. A cadaver is a(n) ________________________ used for dissection.
5. Vesalius taught medical students and authored a detailed book on human anatomy before the age of 30. ________ (a) True     or     (b) False
6. The human body consists of an estimated 30 to 100 ____________________ cells, depending on the size of the individual.
   (a) thousand  (b) million  (c) billion  (d) trillion
7. According to the illustration on page two of your text, the basic tasks of each “simple cell” are categorized into approximately ___________ basic job descriptions.
   (a) 5  (b) 10  (c) 15  (d) 20
8. The basic structural and functional units of life are called: ____________________.
   (a) tissues  (b) organs  (c) cells  (d) organ systems
9. A mass of similar cells that performs a specific function is called a(n): ________________.
   (a) tissue  (b) organ  (c) cell  (d) organ system

Matching:

10. ____ epithelial tissue  (a) provides body framework, strength, freedom of movement
11. ____ connective tissue  (b) covers interior and exterior body surfaces
12. ____ nerve tissue  (c) connects with bones to enable body to move
13. ____ muscle tissue  (d) provides support for the body and connects its parts
14. ____ bone tissue  (e) transmits nerve impulses throughout the body
15. A group of tissues that work together to perform a specific function is called a(n): __________
    (a) tissue  (b) organ  (c) cell  (d) organ system
16. The human eye consists of each of the four basic types of tissues. ________
    (a) True or (b) False
17. A group of organs that perform closely related functions are called: ________________
    (a) tissues  (b) organs  (c) cells  (d) organ systems

Chapter 1, Section 1

ACTIVITIES
Lesson 1:

Prpects of Anatomy & Physiology
18. The human eye is part of the______________________ system.
   (a) circulatory         (b) nervous         (c) endocrine         (d) lymphatic

19. Which of the following is the correct sequence of the levels of organization from least to
    most complex?__________________________
    (a) cell, tissue, system, organ         (c) cell, tissue, organ, system
    (b) tissue, cell, system, organ         (d) tissue, system, organ, cell

20. The human body consists of ______________ organ systems.
    (a) 5          (b) 7          (c) 11          (d) 15

Matching: Match each system with its primary function.

21. _____ skeletal and muscular systems
    (a) transports nutrients and oxygen-rich blood
        throughout the body

22. _____ nervous system
    (b) maintains order among the body’s cells

23. _____ endocrine system
    (c) holds body together and protects from invading
        bacteria

24. _____ digestive and respiratory systems
    (d) fights off invading germs and provides protection
        from diseases and parasites

25. _____ circulatory system
    (e) protects inward parts and supports body

26. _____ excretory system
    (f) rids body of waste

27. _____ reproductive system
    (g) provides raw materials to sustain body functions

28. _____ integumentary system
    (h) produces offspring

29. _____ immune-lymphatic systems
    (i) interprets and responds to stimuli

30. Name the system that is necessary for the survival of a species.____________________

31. List the 3 body systems that function in some form of protection.____________________,
    ____________________, ____________________

32. Write the **Life Principle**: “______________________
    ____________________.”