1. Put the levels of organization in living things in the correct order from smallest to largest.
   a. Organisms, Organ Systems, Organs, Tissues, Cells
   b. Cells, Organs, Tissues, Organism, Organ Systems
   c. Organ Systems, Tissues, Organisms, Cells, Organs
   d. Cells, Tissues, Organs, Organ Systems, Organisms

2. Collect deoxygenated blood from the body
   a. Aorta
3. Collect oxygenated blood from the lungs
   b. Left Atrium & Ventricle
4. Send oxygenated blood throughout the body
   c. Vena Cava
5. Send deoxygenated blood to the lungs
   d. Right Atrium & Ventricle

6. Gases are exchanged as well as food and waste through these blood vessels. They are:
   a. Ventricles
   b. Capillaries
   c. Veins
   d. Arteries

7. Which body system includes your hair, skin, and nails?
   a. Skeletal
   b. Muscular
   c. Integumentary
   d. Endocrine

8. What system fights bacteria and viruses?
   a. Digestive
   b. Respiratory
   c. Reproductive
   d. Immune

9. The correct order of the organs in the digestive system is:
   a. Mouth, esophagus, stomach, large intestine, small intestine, rectum
   b. Mouth, stomach, esophagus, large intestine, small intestine, rectum
   c. Mouth, esophagus, stomach, small intestine, large intestine, rectum
   d. Mouth, stomach, esophagus, small intestine, large intestine, rectum

10. The xylem and phloem in a plant transports food and water and perform the same function as what system in the human?
    a. Skeletal
    b. Circulatory
    c. Muscular
    d. Digestive

11. The master gland of the Endocrine System is the
    a. Pancreas
    b. Hypothalamus
    c. Pituitary
    d. Thyroid

12. The pancreas produces the hormone insulin that controls glucose (sugar) levels in the blood stream. When it does not work properly, it can cause a disease called –
    a. Leukemia
    b. Appendicitis
    c. Diabetes
    d. Acid Reflux
13. The function of the Muscular System is to
   a. Move the digested food, move the heart, and the move the skeleton
   b. Receive signals from the environment
   c. Carry oxygen through the body
   d. Formulate thought

14. The Central Nervous System consists of what two parts?
   a. Peripheral and senses  b. Senses and neurons
   c. Brain and spinal cord  d. Spinal cord and senses

**Match each body system with the correct function:**

15. Breaks down and absorbs food and removes waste.
    a. Digestive System

16. Transports O₂ and nutrients to cells through the blood.
    b. Skeletal System

17. Supports the body, protects organs, & allows movement.
    c. Integumentary System

18. Provides movement through voluntary and involuntary actions
    d. Circulatory System

19. Protects and maintains body temperature through shivering and sweating.
    e. Muscular System

20. What is the correct order of the liquid parts of the Excretory System?
    a. Urethra, Ureters, Kidneys, Bladder
    b. Kidneys, Ureters, Bladder, Urethra
    c. Bladder, Urethra, Kidneys, Ureters
    d. Kidneys, Urethra, Bladder, Ureters

21. A student walks home one day and encounters a mean, barking dog. The student becomes scared and runs away from the dog. This fight or flight response is induced by the –
    a. nervous system  b. excretory system
    c. circulatory system  d. endocrine system

22. This diagram represents alveoli, which are tiny air sacs in human lungs. Two different systems of the body interact when the alveoli do their job. Which two systems are they?
    a. skeletal and nervous systems
    b. excretory and endocrine systems
    c. circulatory and respiratory systems
    d. digestive and muscular systems
23. The muscular, skeletal, and nervous system work together in what way?

a. The muscles effect the nerves which move the bones
b. The muscles move the bones and send the message to the nervous system.
c. The nervous system sends messages to the bones which cause the muscles to move.
d. The nervous system sends messages to the muscles which then move the bones.

24. What is the effect of exercise on the body

a. As exercise increases, respiration increases to cool the body
b. As exercise increases, respiration increases to take in more oxygen
c. As exercise increases, respiration decreases to remove extra CO₂.
d. As exercise increases, respiration is unaffected because the same amount of oxygen is present

25. What is the outermost layer of skin called?


Match the 3 types of muscles in your body according to where they are located:

26. Only found in heart a. Skeletal
27. Attached to bones in arms and legs b. Cardiac
28. Found in internal organs, digestive tract, and blood vessel walls c. Smooth

Match the correct word for each definition:

29. Connects bone to bone a. Cartilage
30. Cushioning between bones b. Tendons
31. Connect muscles to bones c. Ligaments

Match each part of the brain to its function:

32. Controls your balance, movement, coordination, and posture. a. Cerebrum
33. Controls all the functions your body needs to stay alive like your heartbeat, breathing, digesting food, & circulating blood. b. Cerebellum
34. Controls your thinking, short & long term memory, reasoning, speaking, & voluntary muscle movement. c. Brain Stem
Match the **muscles** and **bones** that are marked by numbers in the diagrams:

**Muscles**
- 35. Quadriceps
- 36. Biceps
- 37. Deltoids
- 38. Abdominals
- 39. Pectoralis

**Bones**
- 40. Vertebrae
- 41. Cranium
- 42. Humerus
- 43. Phalanges
- 44. Pelvis

45. A ____________ is a change in the environment that affects your Nervous System –
   a. Response  
   b. Stimulus  
   c. Reflex  
   d. Homeostasis

46. Which type of blood vessels carry blood with O\textsubscript{2} away from heart?
   a. Arteries  
   b. Capillaries  
   c. Veins  
   d. All of the above

47. What type of digestion happens in your mouth?
   a. Chemical  
   b. Mechanical  
   c. Both  
   d. Neither

48. What is the flap of tissue that folds down when you swallow in order to prevent food from entering your Trachea?
   a. Esophagus  
   b. Pancreas  
   c. Gall Bladder  
   d. Epiglottis
49. All of the following are functions of the Digestive and Excretory Systems EXCEPT –
   a. Breaks down food into smaller molecules that the body can use.
   b. Controls growth & reproduction by releasing hormones into the blood.
   c. Liquid and solid wastes are eliminated.
   d. Molecules are absorbed into the blood and carried throughout the body.

50. All of the following are parts of the Endocrine System that release hormones EXCEPT –
   a. Hypothalamus    b. Thyroid    c. Testes & Ovaries    d. Spleen

51. What is the correct order of the organs in the Respiratory System?
   a. Nasal Cavity, Pharynx, Larynx, Trachea, Bronchi, Bronchioles, Alveoli
   b. Larynx, Nasal Cavity, Bronchioles, Alveoli, Trachea, Pharynx, Bronchi
   c. Nasal Cavity, Trachea, Larynx, Bronchioles, Pharynx, Bronchi, Alveoli
   d. Trachea, Bronchi, Nasal Cavity, Trachea, Bronchioles, Alveoli, Pharynx

52. The glands above your kidneys produce which hormone that helps your body adapt to physical & emotional stresses called fight or flight response?

53. The function of the ____________ system produces and stores cells that fight infection and disease to keep your body healthy.
   a. Digestive    b. Muscular    c. Endocrine    d. Immune

54. HIV is a disease that causes all of the following affects EXCEPT –
   a. Disrupts your immune system by directly infecting the helper cells that fight diseases.
   b. Causes allergies to food, medicines, or toxins like bee stings.
   c. Affects you your entire life. There is no cure, once you have it, you'll have it for life.
   d. It eventually becomes AIDS which leads to death.

55. Which of the following are reproductive cells containing 23 chromosomes that are passed down to offspring?
   a. Sperm cell    b. Egg cell    c. blood cell    d. Both A & B
56. Which of the following are potential negative consequences due to sexual relations outside of the marriage covenant?

a. STDs  

b. Emotional pain  

c. Neither A or B  

d. Both A & B

57. Human life begins at conception (when sperm meets egg).  
a. True  
b. False

58. Female reproductive hormones include which of the following?

a. Estrogen  

b. Testosterone  

c. Progesterone  

d. Both A & C

59. What organs in your Immune System are located in your neck, produce and store cells that fight infection and disease, and when you are sick, they become enlarged and feel sore?

a. Cerebrum  

b. Lymph Nodes  

c. Spleen  

d. Appendix

60. Which table best shows functions of the circulatory, respiratory, digestive, & endocrine systems?

<table>
<thead>
<tr>
<th>Function</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Releases hormones</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Supplies the body with oxygen</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Supplies the body with nutrients</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Removes carbon dioxide</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>