

GCS Grade 7 Science Unit E Test Systems of the Human Body

1. What is the name of the structures at the end of the bronchioles where gases are exchanged?

- A. epiglottis
- B. alveoli
- C. larynx
- D. trachea

2. Which system breaks down food into nutrients that can be absorbed into the body?



- A. excretory
- B. circulatory
- C. digestive
- D. lymphatic

3. Which blood vessel allows the exchange of gases within tissues?

- A. vein
- B. capillary
- C. vena cava
- D. aorta

4. When air moves into the lungs, oxygen_____.



- A. diffuses across the membranes of the alveoli and exits the blood
- B. moves across the membranes of the alveoli by active transport
- C. diffuses across the membranes of the alveoli and enters the blood
- D. is converted into carbon monoxide

5. Which blood vessels carry deoxygenated blood back to the heart?

- A. xylem
- B. veins
- C. phloem
- D. arteries

6. During sexual reproduction, the egg and sperm combine the contents of their nuclei in the process called:

- A. pollination
- B. maturation
- C. fertilization
- D. binary fission

7. The function of the respiratory system is to:

- A. bring carbon dioxide into the body and remove oxygen.
- B. bring food into the body and digest it.
- C. bring oxygen into the body and remove carbon dioxide.
- D. transport blood from the heart to all the cells of the body.

8. Which organs are responsible for bringing oxygen into the body and transferring it into the bloodstream?

- A. kidneys
- B. tonsils
- C. lungs
- D. ovaries

9. What is the stage in the human life cycle in which both males and females usually go through puberty?

- A. adolescence
- B. later childhood
- C. infancy
- D. early childhood

10. Which body system protects some of the internal organs, such as the heart and lungs, from physical injury?

- A. muscular
- B. skeletal
- C. digestive
- D. nervous

11. During breathing, which gas is taken in by the lungs and then carried to cells via the bloodstream?

- A. methane
- B. carbon dioxide
- C. nitrogen
- D. oxygen

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12. Which blood vessels carry deoxygenated blood back to the heart?

- A. xylem
- B. veins
- C. neurons
- D. arteries

13. Which blood vessels carry blood with oxygen and nutrients away from the heart to the cells of the body?

- A. xylem
- B. veins
- C. neurons
- D. arteries

14. In humans, gametes are produced in the:

- A. ovaries and testes
- B. Fallopian tubes and seminal vesicles
- C. ovules and pollen grains
- D. gametophytes and sporophytes

15. The esophagus, stomach, small and large intestines, gall bladder, pancreas, and liver are all a part of which body system?

- A. excretory
- B. endocrine
- C. integumentary
- D. digestive

16. Which two systems work together to provide cells with oxygen and remove carbon dioxide from them?

- A. nervous and excretory
- B. nervous and circulatory
- C. respiratory and excretory
- D. respiratory and circulatory

17. The tiniest blood vessels are:

- A. arteries
- B. capillaries
- C. veins
- D. neurons

18. Bones are connected to each other by:

- A. nephrons
- B. neurons
- C. ligaments
- D. tendons

19. Which of the following is not a function of the skeletal system?

- A. provides a framework for the body
- B. provides protection for internal organs
- C. movement of bones
- D. production of new blood cells

20. Which part of the digestive system is the longest and is the site where most of the nutrients from ingested food are absorbed into the bloodstream?

- A. stomach
- B. esophagus
- C. small intestine
- D. pharynx

21. When you eat food, digestion process begins in

- A. stomach
- B. mouth
- C. small intestine
- D. esophagus

22. In total, how many chambers does the human heart have?

- A. two
- B. three
- C. four
- D. five

23. What is the tough, elastic, fibrous connective tissue found in various parts of the body, including the joints, outer ear, and end of the nose?

- A. cartilage
- B. bone
- C. ligament
- D. tendon

24. Hormones are transported through the body by which system?

- A. integumentary system
- B. respiratory system
- C. digestive system
- D. circulatory system

25. _____ acts as markers on pathogens for T-cells.

- A. antibiotics
- B. antiperspirant
- C. antibodies
- D. antioxidants

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26. Electrical signals are transmitted throughout your body using what type of specialized cell?
- neuron
 - brain cell
 - spinal cell
 - endocrine cell
27. Which of the following is NOT part of your body's first line of defense?
- antibodies
 - mucus
 - saliva
 - skin
28. When your body is fighting a disease it uses _____ to mark the pathogen.
- pathogen
 - antibodies
 - hormones
 - mutant lymphocytes
29. A disease causing agent is called a
- antibody
 - pathogen
 - red blood cell
 - white blood cell
30. What is the third line of defense for our immune system?
- antigens
 - killer T-cells
 - lymphocytes
 - white blood cells
31. Which pigment gives your skin color?
- calcium
 - hemoglobin
 - keratin
 - melanin
32. Being outside in extremely cold temperatures can upset the body's temperature regulation. What is one result of the body trying to regain homeostasis?
- shivering
 - hot, red skin
 - decreased breathing rate
 - decreased blood pressure
33. In the center of a bone, there is a substance that produces red blood cells. That substance is
- spongy bone
 - subcutaneous layer
 - bone marrow
 - blood
34. What are the ends of bones covered with?
- cartilage
 - tendons
 - ligaments
 - muscle
35. What word means "the relatively constant state maintained by the body"?
- homo sapien
 - homogenization
 - homoniem
 - homeostasis

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Question	Answer Key	Standard
1.	B	7.L.1.4
2	C	7.L.1.4
3	B	7.L.1.4
4	C	7.L.1.4
5	B	7.L.1.4
6	C	7.L.1.4
7	C	7.L.1.4
8	C	7.L.1.4
9	A	7.L.1.4
10	B	7.L.1.4
11	D	7.L.1.4
12	B	7.L.1.4
13	D	7.L.1.4
14	A	7.L.1.4
15	D	7.L.1.4
16	D	7.L.1.4
17	B	7.L.1.4
18	C	7.L.1.4
19	C	7.L.1.4
20	C	7.L.1.4
21	B	7.L.1.4
22	C	7.L.1.4
23	A	7.L.1.4
24	D	7.L.1.4
25	C	7.L.1.4
26	A	7.L.1.4
27	A	7.L.1.4
28	B	7.L.1.4
29	B	7.L.1.4
30	B	7.L.1.4
31	D	7.L.1.4
32	A	7.L.1.4
33	C	7.L.1.4
34	A	7.L.1.4
35	D	7.L.1.3