

Middle School Human Biology Quiz

Human Biology · Practice Test · 25 Questions

1. Which organ is primarily responsible for pumping blood throughout the human body?

- A) Lungs
- B) Heart
- C) Liver
- D) Stomach

2. What is the main function of the skeletal system?

- A) To digest food
- B) To exchange gases
- C) To provide structure and support
- D) To filter waste from blood

3. Which gas do humans primarily exhale as a waste product of respiration?

- A) Oxygen
- B) Nitrogen
- C) Carbon dioxide
- D) Hydrogen

4. In which organ does the majority of chemical digestion and nutrient absorption occur?

- A) Small intestine
- B) Large intestine
- C) Esophagus
- D) Gallbladder

5. Which type of blood vessel carries oxygen-rich blood away from the heart to the rest of the body?

- A) Vein
- B) Capillary
- C) Artery
- D) Vena cava

6. What is the primary function of the red blood cells?

- A) To fight infections
- B) To transport oxygen
- C) To help blood clot
- D) To produce hormones

7. Which organ filters waste products from the blood to produce urine?

- A) Liver
- B) Kidney
- C) Pancreas
- D) Spleen

8. What is the largest organ of the human body?

- A) Liver
- B) Brain
- C) Skin
- D) Lungs

9. Which part of the human brain controls balance and coordination?

- A) Cerebrum
- B) Cerebellum
- C) Brainstem
- D) Hypothalamus

10. Which system is responsible for protecting the body against pathogens and diseases?

- A) Digestive system
- B) Immune system
- C) Endocrine system
- D) Excretory system

11. What are the chemical messengers produced by the endocrine system called?

- A) Enzymes
- B) Neurons
- C) Hormones
- D) Antibodies

12. Which structure in the lungs is the site of gas exchange between the air and blood?

- A) Trachea
- B) Bronchi
- C) Alveoli
- D) Diaphragm

13. What type of muscle is found in the heart?

- A) Skeletal muscle
- B) Smooth muscle
- C) Cardiac muscle
- D) Striated muscle

14. How many chambers does the human heart have?

- A) Two
- B) Three
- C) Four
- D) Five

15. Which substance in the stomach helps break down proteins and kills bacteria?

- A) Bile
- B) Saliva
- C) Hydrochloric acid
- D) Insulin

16. Which joint allows for movement in almost all directions, like the hip or shoulder?

- A) Hinge joint
- B) Ball-and-socket joint
- C) Pivot joint
- D) Gliding joint

17. What is the main role of the large intestine?

- A) Absorbing nutrients
- B) Breaking down fats
- C) Absorbing water and forming waste
- D) Producing bile

18. Which part of the eye is responsible for focusing light onto the retina?

- A) Pupil
- B) Iris
- C) Lens
- D) Cornea

19. What are the basic building blocks of the human body?

- A) Tissues
- B) Organs
- C) Cells
- D) Systems

20. Which bone protects the brain?

- A) Femur
- B) Cranium
- C) Sternum
- D) Pelvis

21. What connects muscles to bones?

- A) Ligaments
- B) Tendons
- C) Cartilage
- D) Joints

22. Which system includes the nose, trachea, and lungs?

- A) Circulatory system
- B) Respiratory system
- C) Nervous system
- D) Muscular system

23. Which vitamin is primarily produced by the skin when exposed to sunlight?

- A) Vitamin A
- B) Vitamin C
- C) Vitamin D
- D) Vitamin K

24. What is the main function of the pancreas?

- A) Filtering blood
- B) Producing insulin and digestive enzymes
- C) Storing bile
- D) Controlling heart rate

25. Which component of blood is responsible for clotting?

- A) Plasma
- B) Red blood cells
- C) White blood cells
- D) Platelets