

Human Body Essentials

Biology · Answer Key · 25 Questions

1. Which layer of human skin contains the sweat glands and hair follicles?

- A) Epidermis
- B) Dermis**
- C) Hypodermis
- D) Stratum corneum

2. What is the primary function of the alveoli in the respiratory system?

- A) Filtering dust
- B) Producing oxygen
- C) Gas exchange**
- D) Moving the diaphragm

3. Which mineral is the primary component stored in human bones to provide hardness?

- A) Iron
- B) Calcium**
- C) Potassium
- D) Magnesium

4. What is the name of the valve located between the left atrium and left ventricle?

- A) Aortic valve
- B) Pulmonary valve
- C) Tricuspid valve
- D) Mitral valve**

5. Which organ is responsible for the production of bile to help digest fats?

- A) Gallbladder
- B) Pancreas
- C) Liver**
- D) Spleen

6. Which part of the brain is primarily responsible for balance and muscle coordination?

- A) Cerebrum
- B) Cerebellum**
- C) Brain stem
- D) Thalamus

7. What type of blood vessel carries blood away from the heart toward the body tissues?

- A) Vein
- B) Capillary
- C) Artery**
- D) Venule

8. In which part of the digestive tract does the absorption of nutrients primarily occur?

- A) Stomach
- B) Large intestine
- C) Small intestine**
- D) Esophagus

9. Which hormone is produced by the pancreas to regulate blood glucose levels?

- A) Adrenaline
- B) Insulin**
- C) Thyroxin
- D) Cortisol

10. What is the longest and strongest bone in the human body?

- A) Femur**
- B) Tibia
- C) Humerus
- D) Fibula

11. Which human organ is classified as the largest in the body by surface area?

- A) Liver
- B) Lungs
- C) Skin**
- D) Small intestine

12. What are the chemical messengers of the endocrine system called?

- A) Enzymes
- B) Neurotransmitters
- C) Hormones**
- D) Antibodies

13. How many chambers are in the human heart?

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

14. Which blood cells are responsible for carrying oxygen throughout the body?

- A) Leukocytes
- B) Platelets
- C) Erythrocytes**
- D) Plasma

15. What is the scientific name for the voice box?

- A) Pharynx
- B) Trachea
- C) Larynx**
- D) Esophagus

16. Which process describes the involuntary contraction of muscles to move food through the digestive tract?

- A) Absorption
- B) Peristalsis**
- C) Digestion
- D) Excretion

17. Which bone protects the brain from physical injury?

- A) Mandible
- B) Cranium**
- C) Sternum
- D) Scapula

18. Which immune system cells are responsible for producing antibodies?

- A) Red blood cells
- B) Platelets
- C) B-lymphocytes**
- D) Muscle cells

19. What is the main waste product removed from the blood by the kidneys?

- A) Carbon dioxide
- B) Urea**
- C) Glucose
- D) Oxygen

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

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

21. Which structure connects muscle to bone?

- A) Ligament
- B) Tendon**
- C) Cartilage
- D) Joint

22. What is the primary gas expelled from the lungs during exhalation?

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

23. Which type of muscle is found in the heart?

- A) Skeletal
- B) Smooth
- C) Cardiac**
- D) Voluntary

24. What is the name of the fluid that fills the space between joints to reduce friction?

- A) Synovial fluid**
- B) Plasma
- C) Lymph
- D) Cerebrospinal fluid

25. Which section of the spinal column is located in the lower back?

- A) Cervical
- B) Thoracic
- C) Lumbar**
- D) Sacral