

Human Body Systems Overview

Biology · Answer Key · 15 Questions

1. What is a body system?

- A) A single cell
- B) A group of organs working together**
- C) A type of food
- D) A chemical messenger

2. Which system is responsible for breaking down food into nutrients?

- A) Respiratory
- B) Excretory
- C) Digestive**
- D) Skeletal

3. Where does the exchange of oxygen and carbon dioxide take place?

- A) Alveoli**
- B) Bones
- C) Muscles
- D) Skin

4. Which system removes waste from the body?

- A) Nervous
- B) Excretory**
- C) Endocrine
- D) Muscular

5. What is the primary function of the skeletal system?

- A) Pumping blood
- B) Protecting organs and providing structure**
- C) Digesting nutrients
- D) Sending messages

6. What connects bones to other bones to stabilize joints?

- A) Tendons
- B) Muscles
- C) Ligaments**
- D) Cartilage

7. What is the role of cartilage in joints?

- A) To produce blood
- B) To connect muscles to bones
- C) To store fat

D) To reduce friction between bones

8. Which muscle type is responsible for involuntary movement of internal organs?

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

9. What tissue connects muscles to bones and transmits forces?

- A) Tendons**
- B) Ligaments
- C) Cartilage
- D) Nerves

10. Which system uses chemical messengers to maintain body functions?

- A) Nervous
- B) Endocrine**
- C) Respiratory
- D) Digestive

11. What does the circulatory system transport?

- A) Only waste
- B) Oxygen, nutrients, and carbon dioxide**
- C) Only food
- D) Only water

12. Which system allows humans to detect and respond to environmental changes?

- A) Nervous**
- B) Skeletal
- C) Muscular
- D) Integumentary

13. What is the main function of the muscular system?

- A) Storing calcium
- B) Protecting the brain
- C) Movement and heat generation**
- D) Filtration of blood

14. What covers the body and protects internal cells?

A) Integumentary system

B) Skeletal system

C) Nervous system

D) Endocrine system

15. What does the reproductive system allow humans to do?

A) Digest food

B) Produce offspring

C) Filter blood

D) Pump oxygen