

Human Zoology: Body & Health Facts

Zoology · Answer Key · 8 Questions

1. Which human organ system is primarily responsible for the transport of oxygen, nutrients, and waste products throughout the body?

- A) Nervous system
- B) Endocrine system
- C) Circulatory system**
- D) Digestive system

2. A unique characteristic of mature mammalian red blood cells, including human red blood cells, is the absence of which organelle?

- A) Mitochondria
- B) Ribosomes
- C) Nucleus**
- D) Endoplasmic Reticulum

3. How many bones are typically found in the adult human skeleton?

- A) 106
- B) 206**
- C) 306
- D) 406

4. Which type of muscle tissue is found in the walls of the heart and is responsible for its rhythmic contractions, operating involuntarily?

- A) Skeletal muscle
- B) Smooth muscle
- C) Cardiac muscle**
- D) Tendon tissue

5. What are the specialized cells in the nervous system responsible for transmitting electrical and chemical signals throughout the body?

- A) Glial cells
- B) Epithelial cells
- C) Neurons**
- D) Muscle fibers

6. Which type of white blood cell is primarily responsible for producing antibodies to target specific pathogens in the human immune system?

- A) T-lymphocytes
- B) Macrophages
- C) Neutrophils

D) B-lymphocytes

7. In the human digestive system, which organ is the primary site for the absorption of nutrients into the bloodstream?

- A) Stomach
- B) Large intestine

C) Small intestine

D) Esophagus

8. Which hormone, produced by the pancreas, plays a crucial role in regulating blood glucose levels by allowing cells to absorb sugar for energy or storage?

- A) Adrenaline
- B) Thyroxine

C) Insulin

D) Estrogen