Human Health and Biological Functioning

Public Health · Answer Key · 10 Questions

1. Which organ in the human body is primarily responsible for filtering waste products from the blood to produce urine?

A) Liver
B) Kidney
C) Pancreas
D) Gallbladder

2. What is the primary function of hemoglobin in human red blood cells?

A) Fighting infections
B) Transporting oxygen
C) Clotting blood
D) Regulating body temperature

3. Which vitamin is primarily synthesized by the human body through exposure to ultraviolet B (UVB) radiation from sunlight?

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

4. In which part of the human digestive system does the majority of nutrient absorption into the bloodstream occur?

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

5. What type of pathogen is responsible for causing influenza (the flu) in humans?

A) Bacteria
B) Virus
C) Fungus
D) Protozoa

6. Which mineral is essential for the structure of human bones and teeth, and is stored in large quantities within the skeletal system?

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

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7. What is the normal resting heart rate range for a healthy adult, measured in beats per minute?

A) 30-50
B) 60-100
C) 110-140
D) 150-180

8. Which hormone is produced by the pancreas to regulate blood glucose levels by facilitating the uptake of glucose into cells?

A) Adrenaline
B) Thyroxine
C) Insulin
D) Cortisol

9. What is the primary role of leukocytes in the human immune system?

A) Oxygen transport
B) Blood clotting
C) Immune defense
D) Nutrient storage

10. Which human body system is responsible for the rapid transmission of electrical signals to coordinate voluntary and involuntary actions?

A) Endocrine system
B) Nervous system
C) Lymphatic system
D) Integumentary system

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