

Physics in the Human Body

Physics · Answer Key · 8 Questions

1. Which organ in the human body acts as a pressure pump to circulate blood through the cardiovascular system?

A) Lungs

B) Heart

C) Liver

D) Kidneys

2. What type of lens is found in the human eye to focus light onto the retina?

A) Concave lens

B) Convex lens

C) Cylindrical lens

D) Bifocal lens

3. The human ear detects sound waves, which are a type of which physical phenomenon?

A) Mechanical waves

B) Electromagnetic waves

C) Thermal radiation

D) Static electricity

4. Which part of the body uses levers formed by bones and muscles to create movement?

A) Circulatory system

B) Musculoskeletal system

C) Endocrine system

D) Digestive system

5. What is the primary way the body loses heat through the skin to maintain a constant internal temperature?

A) Conduction

B) Evaporation

C) Refraction

D) Magnetism

6. Human bones provide structural support, which is an application of which concept in physics?

A) Fluid dynamics

B) Thermodynamics

C) Statics

D) Quantum mechanics

7. What type of energy is stored in the chemical bonds of the food we eat?

A) Potential energy

B) Kinetic energy

C) Nuclear energy

D) Magnetic energy

8. Visible light enters the human eye and is processed by the brain; what physical property of light allows us to see colors?

A) Amplitude

B) Wavelength

C) Mass

D) Weight