

Physics in the Human Body

Physics · Practice Test · 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