

Physics Fundamentals for Primary Students

Physics · Practice Test · 12 Questions

1. Which simple machine is defined as a rigid bar that pivots around a fixed point called a fulcrum?

- A) Pulley
- B) Lever
- C) Inclined plane
- D) Wedge

2. What is the term for the invisible force that pulls objects toward the centre of the Earth?

- A) Magnetism
- B) Friction
- C) Gravity
- D) Inertia

3. Which state of matter has a definite volume but takes the shape of its container?

- A) Solid
- B) Liquid
- C) Gas
- D) Plasma

4. What happens to light when it passes from air into a denser medium like water, causing it to bend?

- A) Reflection
- B) Absorption
- C) Refraction
- D) Diffraction

5. Which form of energy is stored in a compressed spring or a stretched rubber band?

- A) Kinetic energy
- B) Elastic potential energy
- C) Chemical energy
- D) Thermal energy

6. What is the primary unit of measurement for force in the International System of Units (SI)?

- A) Joule
- B) Watt
- C) Newton
- D) Pascal

7. Which material is an example of a thermal insulator?

- A) Copper
- B) Iron
- C) Wood
- D) Aluminum

8. What process describes the transformation of a liquid into a gas at temperatures below its boiling point?

- A) Condensation
- B) Sublimation
- C) Evaporation
- D) Freezing

9. Which type of circuit provides only one path for electrical current to flow?

- A) Parallel circuit
- B) Series circuit
- C) Open circuit
- D) Short circuit

10. What is the term for the resistance to motion between two surfaces that are in contact?

- A) Velocity
- B) Friction
- C) Acceleration
- D) Momentum

11. Which colour of the visible light spectrum has the longest wavelength?

- A) Violet
- B) Green
- C) Yellow
- D) Red

12. What is the name for the point where the mass of an object is effectively concentrated, allowing it to be balanced?

- A) Centre of gravity
- B) Fulcrum
- C) Axis
- D) Pivot point