

# Physics Fundamentals for Primary Students

Physics · Answer Key · 12 Questions

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**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