

Physics Fundamentals for Young Scientists

Physics · Answer Key · 8 Questions

1. Which state of matter has a definite shape and a definite volume?

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

2. What is the unit used to measure the intensity of sound?

- A) Decibel**
- B) Watt
- C) Hertz
- D) Joule

3. Which force always pulls objects towards the centre of the Earth?

- A) Friction
- B) Magnetism
- C) Gravity**
- D) Tension

4. What happens to white light when it passes through a glass prism?

- A) It stays white
- B) It turns black
- C) It disappears
- D) It separates into a spectrum of colours**

5. Which type of energy is stored in an object due to its position or height?

- A) Kinetic energy
- B) Potential energy**
- C) Thermal energy
- D) Electrical energy

6. What is the primary material used to create permanent magnets?

- A) Copper
- B) Iron**
- C) Aluminium
- D) Plastic

7. In physics, what is defined as the rate at which an object changes its position?

- A) Mass
- B) Speed**
- C) Density
- D) Volume

8. Which term describes the ability of a material to allow electricity to flow through it?

- A) Insulation
- B) Resistance
- C) Conductivity**
- D) Refraction