

Physics Fundamentals for Teens

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 force pulls objects towards the center of the Earth?

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

3. What type of energy does a moving object possess?

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

4. Which material is generally considered a good conductor of electricity?

- A) Rubber
- B) Wood
- C) Glass
- D) Copper**

5. What is the bouncing back of light when it strikes a surface called?

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

6. Through which medium does sound typically travel fastest?

- A) Vacuum
- B) Air
- C) Water
- D) Steel**

7. What is the standard SI unit for measuring mass?

- A) Gram
- B) Pound
- C) Kilogram**
- D) Ounce

8. A seesaw is an example of which type of simple machine?

- A) Pulley
- B) Wheel and axle
- C) Inclined plane
- D) Lever**