

Elementary Physics Fundamentals

Physics · Answer Key · 12 Questions

1. What is the force that pulls objects towards the center of the Earth?

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

2. Which of these is a source of light?

- A) A shadow
- B) A mirror
- C) The Sun**
- D) A blanket

3. When you rub your hands together quickly, what type of energy do you create?

- A) Sound energy
- B) Light energy
- C) Heat energy**
- D) Kinetic energy

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

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

5. What causes a ball to roll down a hill?

- A) The wind
- B) The ball's color
- C) Gravity**
- D) The ball's size

6. Which object is a conductor of electricity?

- A) Wood
- B) Rubber
- C) Metal**
- D) Plastic

7. What happens to water when it is heated to 100 degrees Celsius at sea level?

- A) It freezes
- B) It turns into steam**
- C) It becomes ice
- D) It evaporates slowly

8. Sound travels fastest through which of these?

- A) Air
- B) Water
- C) A vacuum
- D) Solids**

9. What is the basic unit of matter?

- A) A molecule
- B) A cell
- C) An atom**
- D) A planet

10. Which type of energy is stored in a battery?

- A) Sound energy
- B) Electrical energy**
- C) Mechanical energy
- D) Light energy

11. What causes objects to float in water?

- A) Their density being greater than water
- B) Their density being less than water**
- C) Their size
- D) Their color

12. When a magnet attracts a paperclip, what force is being used?

- A) Gravity
- B) Friction
- C) Magnetic force**
- D) Electric force