

Elementary Physical Science Fundamentals

Physical Science · Answer Key · 15 Questions

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

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

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

- A) Friction
- B) Magnetism
- C) Gravity**
- D) Static electricity

3. Which form of energy is produced by the vibration of objects?

- A) Light energy
- B) Sound energy**
- C) Chemical energy
- D) Thermal energy

4. Which material is best described as an electrical insulator?

- A) Copper
- B) Gold
- C) Rubber**
- D) Silver

5. What happens to water when it reaches its freezing point?

- A) It turns into a gas
- B) It turns into a solid**
- C) It disappears
- D) It becomes plasma

6. Which of these is a form of kinetic energy?

- A) A battery on a shelf
- B) A stretched rubber band
- C) A ball rolling down a hill**
- D) A fuel tank in a car

7. What primary force acts in the opposite direction to an object's motion across a surface?

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

8. Which colour of visible light has the longest wavelength?

- A) Blue
- B) Green
- C) Red**
- D) Violet

9. What is the main source of thermal energy for the Earth?

- A) The Moon
- B) The Sun**
- C) Volcanoes
- D) Fossil fuels

10. Which simple machine is used to lift a heavy load using a fulcrum?

- A) Pulley
- B) Lever**
- C) Screw
- D) Inclined plane

11. What process occurs when a gas changes into a liquid?

- A) Evaporation
- B) Condensation**
- C) Freezing
- D) Melting

12. Which of these describes a chemical change in matter?

- A) Tearing a piece of paper
- B) Melting an ice cube
- C) Burning a piece of wood**
- D) Crushing a soda can

13. How does light travel?

- A) In curved lines
- B) In zigzag patterns
- C) In straight lines**
- D) Light does not travel

14. Which part of an atom carries a negative electrical charge?

- A) Proton
- B) Neutron
- C) Electron**
- D) Nucleus

15. What happens when two magnets with like poles (North and North) are pushed toward each other?

- A) They attract
- B) They repel**
- C) They stay still
- D) They lose their magnetism