

Fundamental Physics for Middle School

Physics · Answer Key · 10 Questions

1. What travels faster than sound?

- A) Light**
- B) A car
- C) A person running
- D) A snail

2. How does sound typically travel?

- A) Through vibrations**
- B) By reflecting light
- C) By magnetic waves
- D) By standing still

3. What force pulls objects towards the center of the Earth?

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

4. What type of energy is stored in an object due to its position or state, like a stretched rubber band?

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

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

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

6. Which of these is an example of a simple machine?

- A) Bicycle
- B) Computer
- C) Lever**
- D) Car

7. What is the flow of electric charge through a conductor called?

- A) Voltage
- B) Resistance
- C) Current**
- D) Power

8. What happens when the north pole of one magnet is brought near the south pole of another magnet?

- A) They repel each other
- B) They attract each other**
- C) Nothing happens
- D) They create light

9. What scientific instrument is used to measure temperature?

- A) Barometer
- B) Telescope
- C) Thermometer**
- D) Microscope

10. In physics, what is defined as a push or a pull on an object?

- A) Speed
- B) Velocity
- C) Force**
- D) Acceleration