

Introduction to Electromagnetism

Science · Answer Key · 12 Questions

1. Which material is commonly used as a conductor to carry electricity in wires?

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

2. What is the area around a magnet where its magnetic force can be felt called?

- A) Magnetic field**
- B) Electric zone
- C) Power spot
- D) Gravity layer

3. What happens when you bring the north poles of two magnets together?

- A) They attract
- B) They disappear
- C) They repel**
- D) They get hot

4. Which of these is a common source of electricity used to power a remote control?

- A) Light bulb
- B) Battery**
- C) Magnet
- D) Copper wire

5. What do we call a material that does not allow electricity to flow through it easily?

- A) Conductor
- B) Switch
- C) Insulator**
- D) Circuit

6. Which metal is strongly attracted to a magnet?

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

7. What is the path called that electricity must follow to light up a bulb?

- A) Battery
- B) Conductor
- C) Circuit**
- D) Magnet

8. Which part of a circuit is used to turn the electricity on and off?

- A) Switch**
- B) Battery
- C) Insulator
- D) Wire

9. Where is the magnetic force the strongest on a bar magnet?

- A) In the middle
- B) At the poles**
- C) On the sides
- D) Inside the center

10. Which of these objects uses an electromagnet to function?

- A) Wooden chair
- B) Plastic bottle
- C) Electric doorbell**
- D) Cotton towel

11. Electricity is the flow of tiny particles called what?

- A) Protons
- B) Neutrons
- C) Electrons**
- D) Atoms

12. What do we call a magnet that can be turned on and off using electricity?

- A) Permanent magnet
- B) Bar magnet
- C) Electromagnet**
- D) Natural magnet