

Electromagnetism Basics

Physics · Answer Key · 4 Questions

1. What is the SI unit of magnetic field strength (magnetic flux density)?

- A) Watt
- B) Tesla**
- C) Volt
- D) Joule

2. Which subatomic particle carries a negative electric charge?

- A) Proton
- B) Neutron
- C) Electron**
- D) Alpha particle

3. Which device converts mechanical energy into electrical energy using electromagnetic induction?

- A) Electric motor
- B) Electric generator**
- C) Transformer
- D) Capacitor

4. Which scientist discovered the phenomenon of electromagnetic induction in 1831?

- A) Isaac Newton
- B) Michael Faraday**
- C) Thomas Edison
- D) Alessandro Volta