

---

## Worksheet: Electricity: Magnetic and Heating Effects

CBSE · Class 8 · Science · 4 questions · 10 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 10

**Q1.** Which physicist discovered the magnetic effect of current? *[1 mark]*

---

---

**Q2.** Name the safety device that melts to break a circuit when current is too high. *[1 mark]*

---

---

**Q3.** Explain how an electromagnet works and how to make a strong one. *[3 marks]*

---

---

---

**Q4.** A home is wired so all appliances are in parallel. Explain why parallel is preferred over series for home wiring, and discuss safety devices used. *[5 marks]*

---

---

---