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## Worksheet: Electricity: Magnetic and Heating Effects

Gujarat State Board · Class 8 · Science · 4 questions · 10 marks

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

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

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

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

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

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

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**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]*

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