

12 Magnetic fields from currents – Part 2 — Answers

Answers

Work through these after you have tried the questions yourself.

- 2.1 circular field lines that loop around the wire.
- 2.2 a larger current, and being closer to the wire.
- 2.3 a strong, uniform magnetic field (like a bar magnet).
- 2.4 it can be switched on and off (and its strength changed) by controlling the current.
- 2.5 any of: scrapyards, crane, doorbell, electric motor, relay, MRI machine.