

# Electromagnets

# 3. Electromagnets

## CONCEPT 2

## TEST YOURSELF

### USING ELECTROMAGNETS

#### KNOW

- Q1 Give two advantages of using electromagnets.
- Q2 Give one disadvantage of using an electromagnet compared to an ordinary magnet for a job.

#### APPLY

- Q3 What must be done to stop an electric bell from ringing? Explain your answer.
- Q4 What would happen if the electromagnet in an electric bell was replaced with an ordinary magnet?

#### EXTEND

- Q5 In a circuit breaker, why is it important for the contacts, once broken by the electromagnet, to remain unconnected?
- Q6 What advantages do circuit breakers have over ordinary switches?