



Name: ..... Form: .....

See pages 12 and 13 of *Changing circuits*

# Parallel circuits

**In parallel circuits, each component has a direct connection to the power supply.**

**Q1.** In the space, draw a circuit diagram of the circuit in the picture.

**Q2.** In the picture, what is labelled A?



.....

**Q3.** How do we connect components in a parallel circuit?



.....

**Q4.** When one component stops working in a parallel circuit, how are the other components affected?



.....

**Q5.** If you had a circuit like the one in the picture and took out the top bulb, what would happen to the other bulbs?



.....

**Q6.** (i) Name two places where parallel wiring is used.



.....



.....

(ii) Imagine that you had a circuit with just one bulb in it, and a circuit like the one in the picture. In which circuit would a bulb shine longer? Explain your answer.



.....



.....



.....

