Science and technology · Grade 6

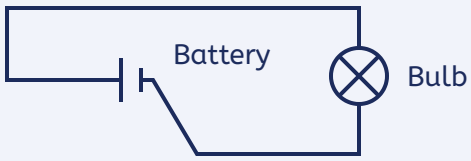
Open and closed circuits

Find a continuous path between a battery and a bulb.

Name _____ Date _____

Read or look closely

In a simple diagram, a battery powers a bulb through a loop of wires. Open the loop and the bulb goes out.



Your turn

1. What supplies energy in the diagram?

2. Is the path continuous in an open circuit?

3. What does an opened switch do?

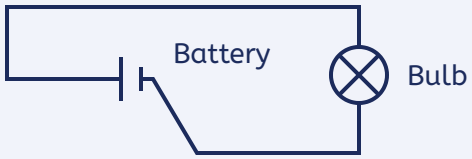
4. Draw a simple diagram of a battery and bulb in a closed circuit.

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Open and closed circuits

Read or look closely

In a simple diagram, a battery powers a bulb through a loop of wires. Open the loop and the bulb goes out.



Your turn

5. Imagine a wire no longer touches the bulb. Explain why it will not light.