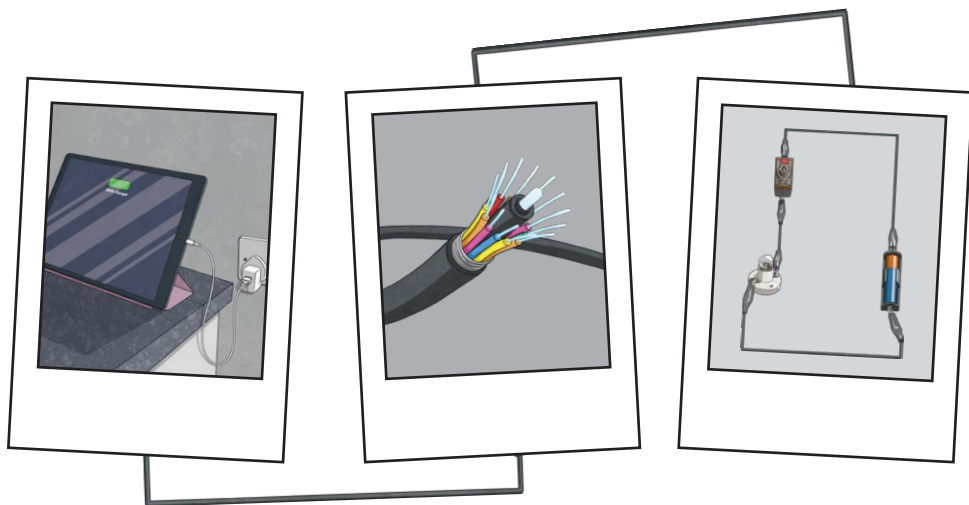


How Do Circuits Work?

10 Electricity is a form of energy. Its flow, which powers
19 circuits, is known as an electrical current. Both cells
27 and batteries store electrical energy. The main difference
39 between them is that a cell is a single unit whereas a
48 battery is made up of two or more cells.



57 Electrical current can only flow when a circuit is
67 complete; there can be no break in the circuit, such
78 as an open switch. An electrical circuit is a path that
88 the current travels around. If any part of the path
99 isn't complete, such as an open switch or an error in
106 connecting wires to components, then the electrical
114 current has no way to travel across it.



Questions



1. Which is closest in meaning to **error**? Tick one.

- ☐ mistake
- ☐ correction
- ☐ misplace



2. According to the text, what powers circuits?



3. Why do think that the author has chosen to compare a circuit to a path?



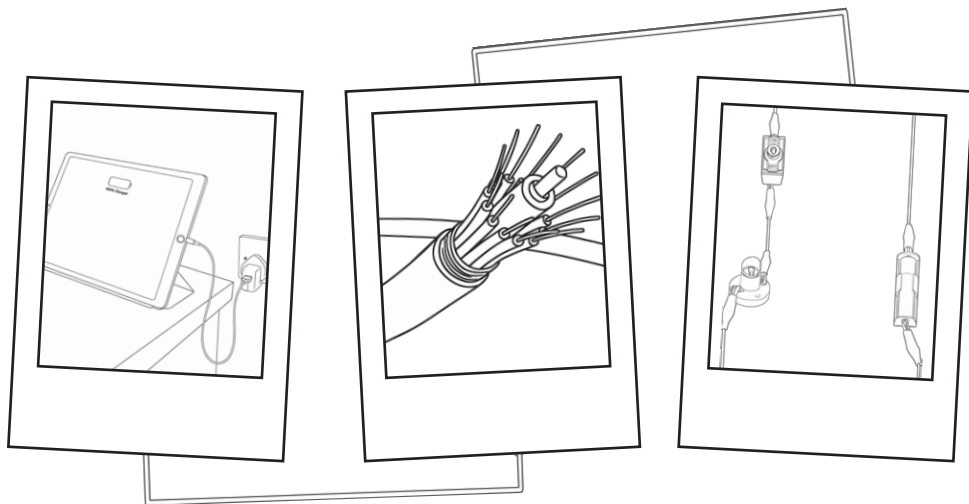
4. Compare a cell and a battery. Find one similarity and one difference.

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Answers



1. Which is closest in meaning to **error**? Tick one.

- ☒ **mistake**
☐ correction
☐ misplace



2. According to the text, what powers circuits?

Accept one of:

- **electrical flow**
- **electrical current**



3. Why do think that the author has chosen to compare a circuit to a path?

Pupils' own responses, such as: The author has chosen to compare a circuit to a path to help the reader to understand the scientific explanation - a path is something that people will understand and relate to.



4. Compare a cell and a battery. Find one similarity and one difference.

Pupils' own responses, such as: One similarity is that they both store energy. One difference is that a battery is made up of two or more cells.