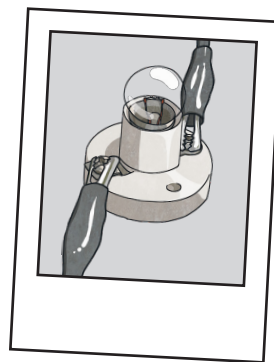
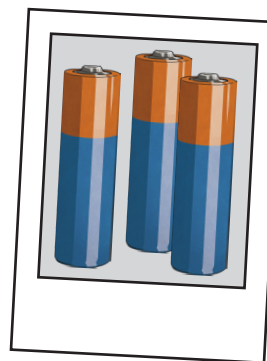


What Is Voltage?

6 The force that makes electric current
13 flow through the wires of a circuit
16 (powering electrical components,
22 such as bulbs and buzzers) is
25 known as voltage.



30 Components in a circuit provide
36 resistance to the flow of electrical
42 current — slowing it down. If more
49 bulbs are wired into the circuit, there
55 will be more resistance. Therefore, the
62 bulbs will become dimmer. In order to
68 make the bulbs brighter, the voltage
74 must be increased. This can be
80 achieved by adding another cell or
84 battery to the circuit.



90 If the voltage is increased, the
96 current will flow more strongly. As
101 a consequence, the components are
107 affected; for example, bulbs will shine
109 more brightly.

Questions



1. Find and copy the word or phrase which means the same as 'as a result'.



2. What does resistance do to the flow of electrical current?



3. Find and copy **two** examples of components.

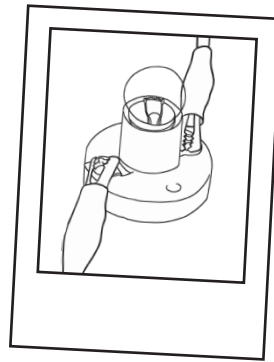
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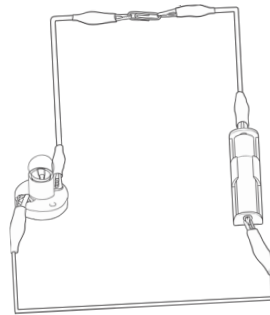
4. How do you think you could increase the volume of a buzzer in a circuit?

What Is Voltage?

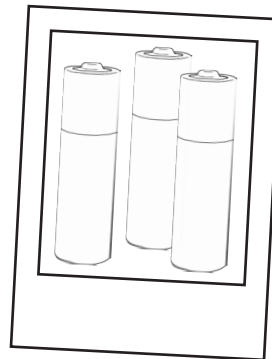
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107 affected; for example, bulbs will shine
109 more brightly.



Answers



1. Find and copy the word or phrase which means the same as 'as a result'.

Accept either: as a consequence; consequence.



2. What does resistance do to the flow of electrical current?

Resistance slows down the flow of electrical current.



3. Find and copy **two** examples of components.

- bulbs
- buzzers



4. How do you think you could increase the volume of a buzzer in a circuit?

Pupils' own responses, such as: I think that I could increase the volume of a buzzer by increasing the voltage.