

Electricity Knowledge Organiser Quiz

Read each question and tick the correct answer. Use the [Electricity Knowledge Organiser](#) for help if you need to.

1 Which of these is the correct definition of an appliance?

A The flow of an electric current.

B A device that stores electrical energy as a chemical.

C A piece of equipment or a device designed to perform a particular job.

2 What is this a definition of?

The flow of an electric current through a material, e.g. from a power source to an appliance.

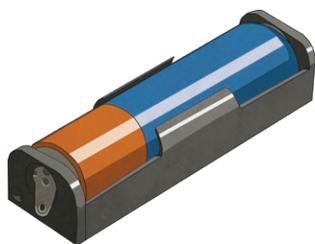
A a battery

B electricity

C electrical insulator

3 Complete this sentence.

A battery is a collection of two or more _____.



A cells

B motors

C switches

4 What part of an electric circuit connects the different components?

A motor

B wires

C switch

5 What is this a picture of?



A bulb

B buzzer

C motor

6 Which of these components produces movement?

A  motor

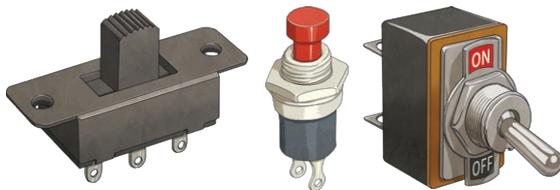
B  switch

C  bulb

7 Which of these pictures shows a complete circuit?



8 What is the job of these components?

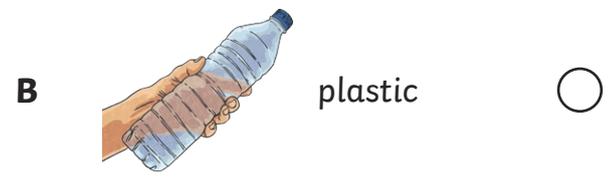


A To break or complete a circuit

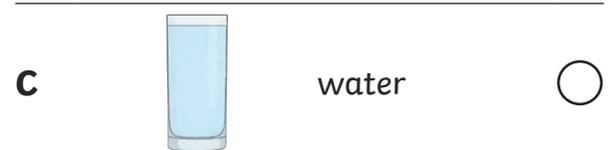
B To make the electricity flow quicker or slower

C To make the bulb, buzzer or motor stronger or weaker

9 Which of these materials is an electrical conductor?



10 Which of these materials is an electrical insulator?



11 How is this appliance powered?



A solar power

B battery power

C mains power

12 Which of these appliances is battery powered?

A  tablet

B  lamp

C  solar panels

13 This light bulb is on. What does this tell you about the 10p coin?



A It is an electrical insulator.

B It is an electrical conductor.

C It is battery powered.

14 Which of these could be added to complete this circuit and turn the bulb on?

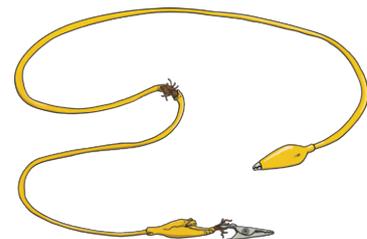


A  paper

B  paperclip

C  glass

15 What should you do if you find some damaged or broken electrical equipment?



A Continue to use it.

B Put it back with the rest of the equipment.

C Tell an adult.

Electricity Knowledge Organiser Quiz Answers

1 **C** A piece of equipment or a device designed to perform a particular job.

2 **B** electricity

3 **A** cells

4 **B** wires

5 **B** buzzer

6 **A** motor

7 **B**

8 **A** To break or complete a circuit.

9 **C** metal

10 **A** rubber

11 **C** mains power

12 **A** iPad

13 **B** It is an electrical conductor.

14 **B** paperclip

15 **C** Tell an adult.