

Name:

Date:

KS2 Quiz

Unit title: Electricity and circuits

1 Which of the following is a power supply?

- A Bulb.
- B Mains.
- C Switch.
- D Wire.

2 Which statement does not describe batteries?

- A They are portable.
- B They are suited to small electrical appliances.
- C They can be put in a normal rubbish bin.
- D They can run out and need replacing.

3 What symbol best represents an open switch?

A

B

C

D

4 A buzzer...

- A ...lights up.
- B ...makes a noise.
- C ...moves.
- D ...does nothing.

5 Which circuit will have a lit bulb?

A

B

C

D

6 A switch...

- A ...has no effect on a light bulb.
- B ...has to be positioned after the bulb to work.
- C ...has to be positioned before the bulb to work.
- D ...can be positioned anywhere in a series circuit to have the same effect.

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7 Which of the following is a good electrical conductor?

- A A metal paper clip.
- B A paper sticky note.
- C A wooden lolly stick.
- D A plastic toy.

8 If you add more bulbs into a series circuit...

- A ...nothing happens.
- B ...the bulbs get dimmer.
- C ...the bulbs get brighter.
- D ...the battery gets stronger.

9 Which of the following statements is true?

- A It is safe to use electrical switches with wet hands.
- B It does not matter how many plugs are added to a socket.
- C It is safe to use a knife to get stuck toast out of a toaster.
- D Damaged electrical wires can be a risk for electrical shock.

10 A toy has a button that turns a light on and off. What material should the outer casing be made from and what material should the inside switch be made from? Explain your choices.