

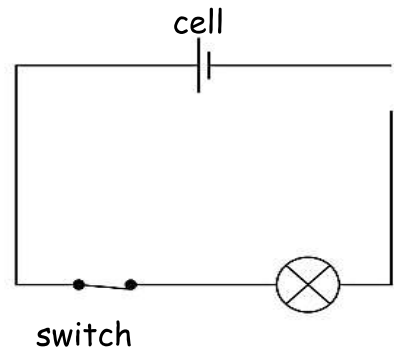
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Chapter 8 Revision Worksheet (8.C.2)

1. Read the following questions carefully and tick (✓) the correct answer.

A. Why is this electric circuit NOT working?

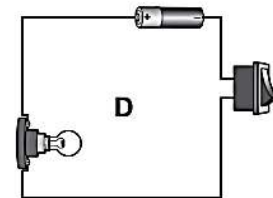
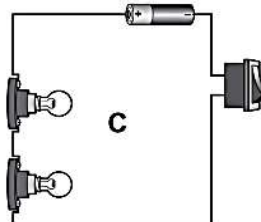
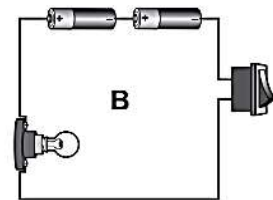
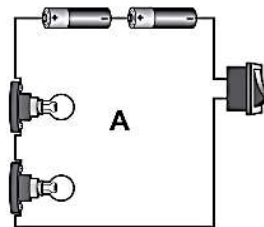
- (a) The lamp is missing. ☐
- (b) The circuit is closed. ☐
- (c) There is no cell. ☐
- (d) The circuit is open. ☒



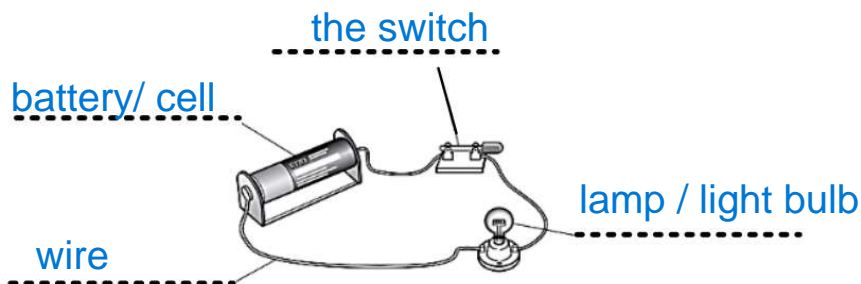
B. Lily picked an electrical circuit with the brightest lamp/s.

Which electrical circuit did she pick?

- (a) circuit A ☐
- (b) circuit B ☒
- (c) circuit C ☐
- (d) circuit D ☐

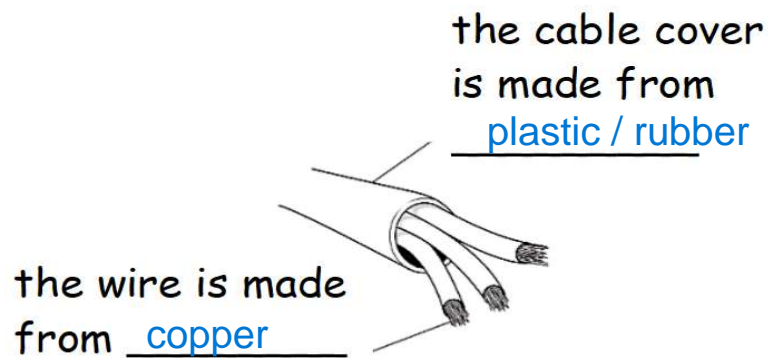


2. Label the components of the electrical circuit.



3. Look at the picture below.

(a) Fill in the blanks with a suitable material.



(b) Circle the correct answer.

- The material the wire is made from is an electrical ____.

conductor

insulator

- The material the cable cover is made from is an electrical ____.

conductor

insulator

- Write an example of:

a) an electric conductor: iron/ steel / copper (all metals)

b) an electric insulator: wood/ cotton/ rubber/ plastic/ ceramic/ glass

4. Match.

a path through which an electric current flows	→	electrical circuit
provides electricity and pushes the electric current around	→	cell
used to open or close an electrical circuit	→	switch
flows through a closed circuit	→	electric current

5. Is the following a characteristic of a closed or open circuit?

- (a) There is no gap or break in the electrical circuit. closed circuit
- (b) Wires are connected to a lamp and batteries from both ends. closed circuit
- (c) The switch is connected to the circuit but it is turned off. open circuit
- (d) There is a gap or break in the electrical circuit. open circuit
- (e) The switch is connected to the circuit and turned on. closed circuit
- (f) The electric current is not flowing through the electrical circuit. open circuit