

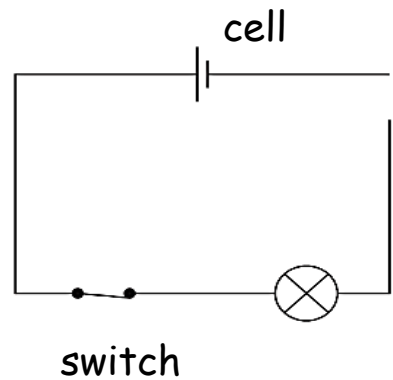
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Chapter 8 Practice Worksheet (8.C.2)

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

A. Why is this electric circuit **not** working?

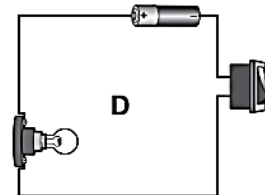
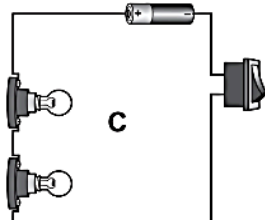
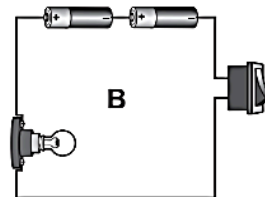
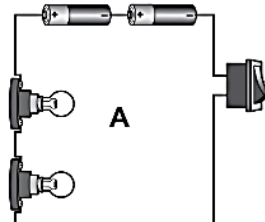
- a. The lamp is missing. ☐
- b. The circuit is closed. ☐
- c. There is no cell. ☐
- d. The circuit is open. ☐



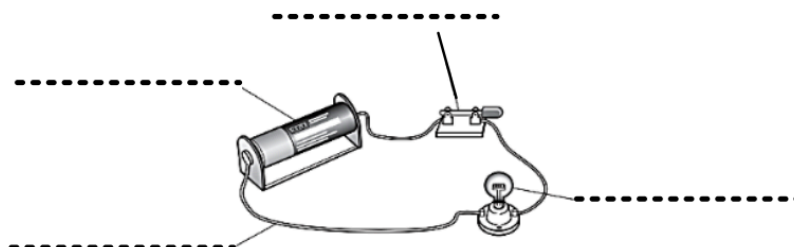
B. Lily picked an electrical circuit with the brightest lamp/s.

Which electrical circuit did she pick?

- a. circuit A ☐
- b. circuit B ☐
- c. circuit C ☐
- d. circuit D ☐

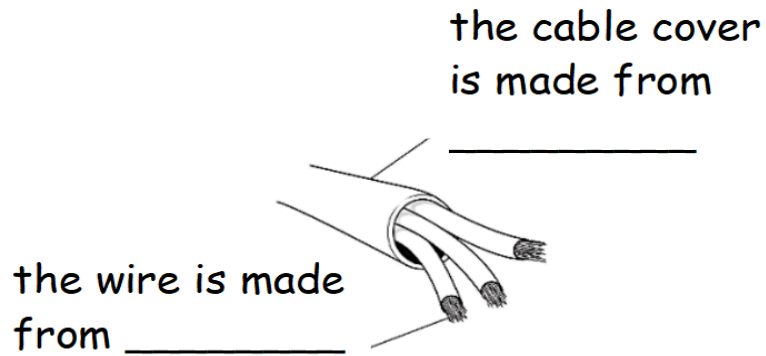


2. Label the components of the electrical circuit.



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: _____

b. an electric insulator: _____

4. Match.

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

• electrical circuit
• switch
• cell
• 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. _____
- b. Wires are connected to a lamp and cell from both ends. _____
- c. The switch is connected to the circuit but it is turned off. _____
- d. There is a gap or break in the electrical circuit. _____
- e. The switch is connected to the circuit and turned on. _____
- f. The electric current is not flowing through the electrical circuit. _____