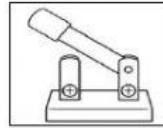
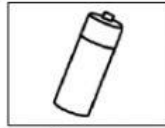
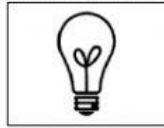


ELECTRIC CIRCUITS (ASSESSMENT SHEET)

1. Observe the electrical components below.



a) Drag and match the component to its function correctly below.

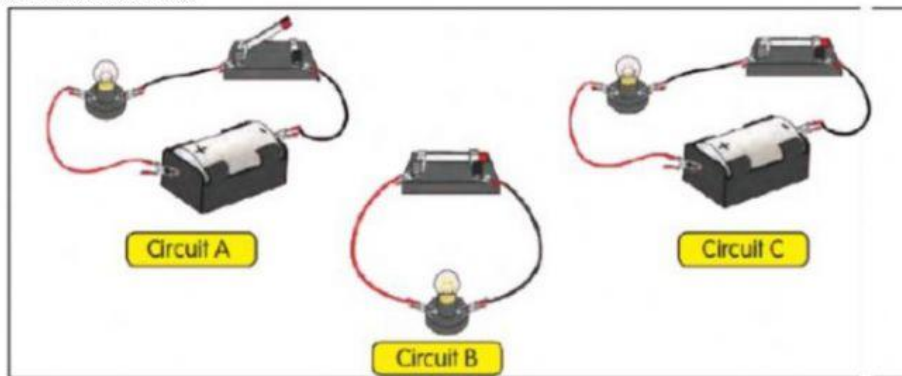
[3]

b) Name the electrical components.

[3]

Function	Electrical component
Supply (produce) electrical energy	<div style="border: 1px solid black; width: 100px; height: 50px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px;"></div>
Open and close a circuit	<div style="border: 1px solid black; width: 100px; height: 50px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px;"></div>
Produce light	<div style="border: 1px solid black; width: 100px; height: 50px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px;"></div>

2. Observe the circuits below.



a) In which circuit will the bulb light up? Circuit _____.

[1]

b) Why does the bulb light up? Because the circuit is _____.

[1]

c) In which circuit(s) will the bulb **not** light up? Circuit _____.

[1]

d) Why does the bulb not light up? Because the circuit is _____.

[1]

3. Complete the two statements below by filling in the blanks.

[6]

(i) In a _____ or _____ circuit, the bulb will light up because electricity _____ through the circuit.

(ii) In an _____ or _____ circuit, the bulb will **not** light up because electricity _____ through the circuit.