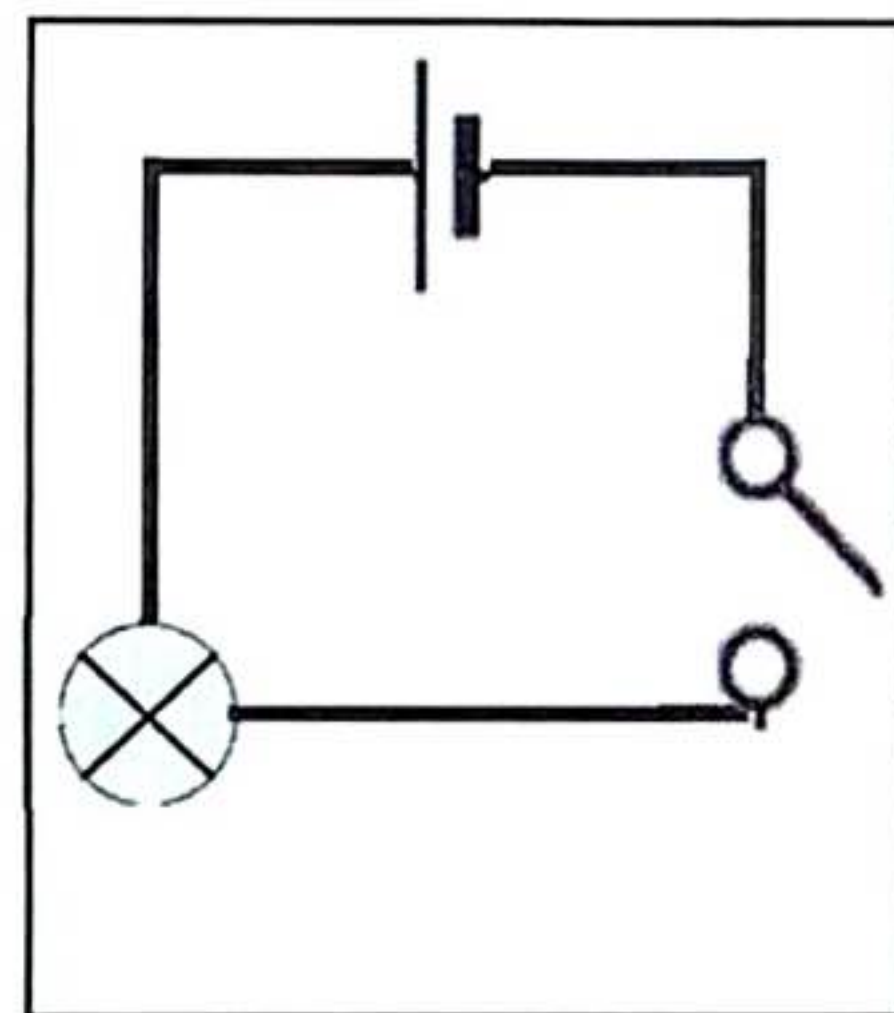
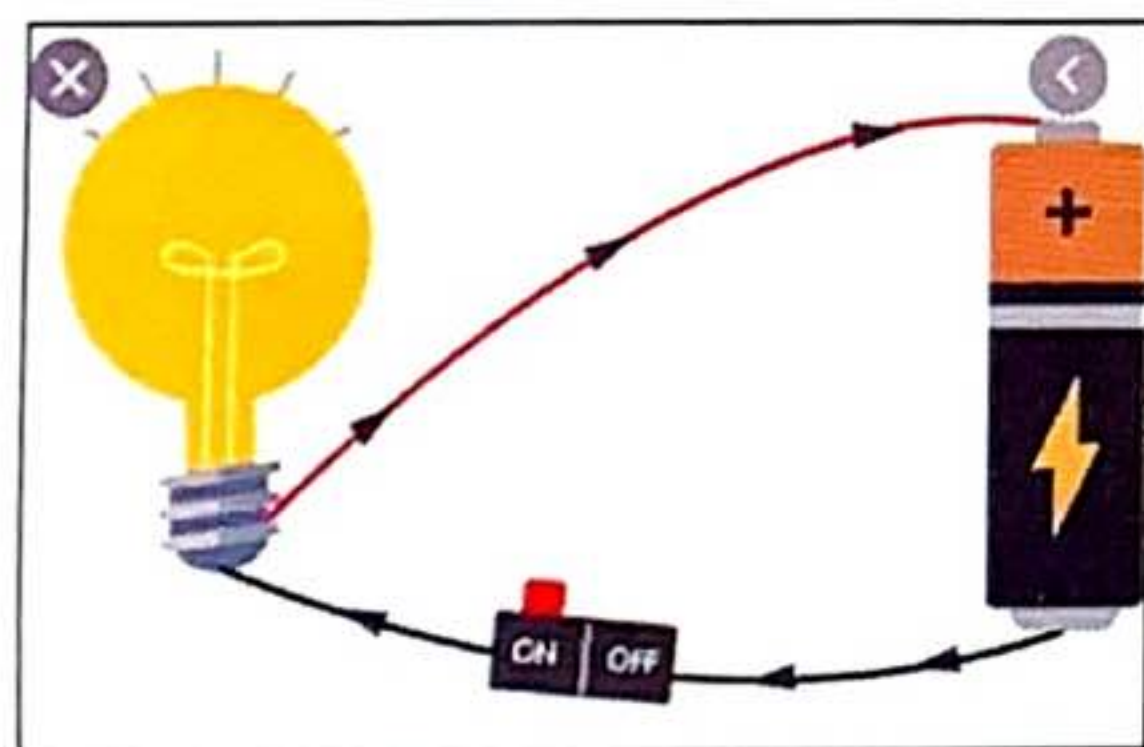


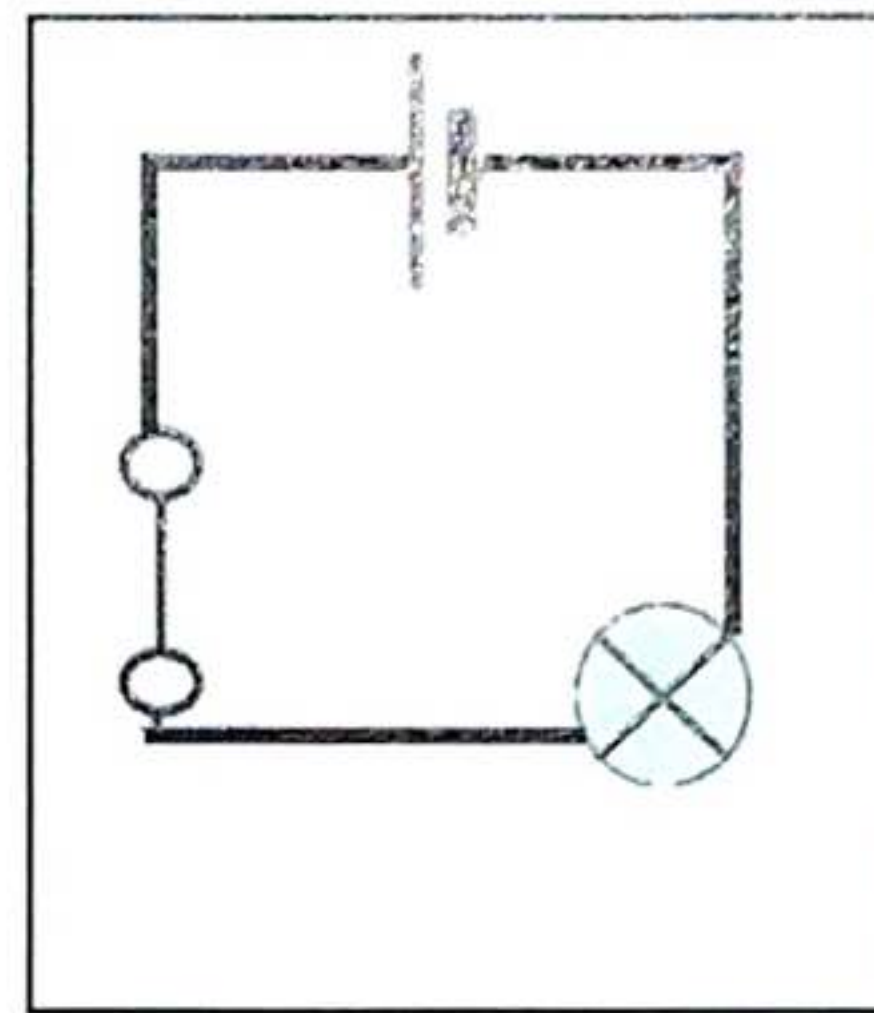


Decide if the circuits below are complete or broken, explain why.

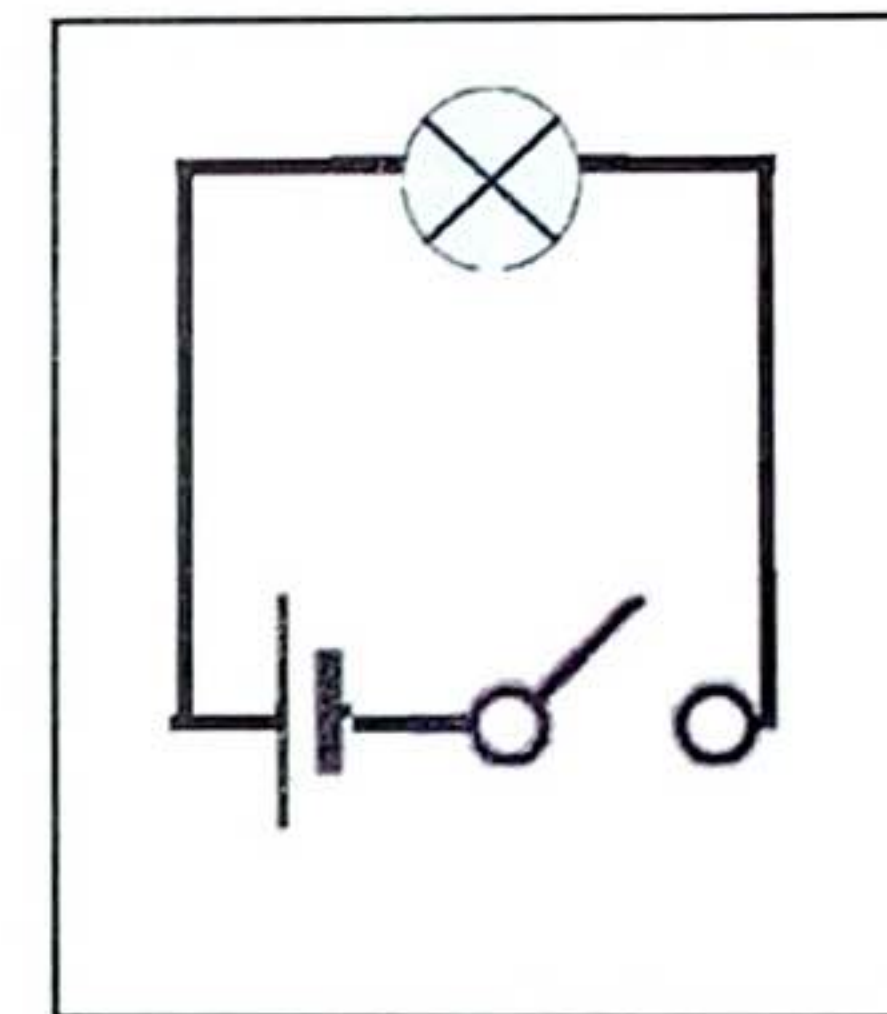
Below is a simple everyday circuit, containing a bulb, battery and switch. The bulb is lit up because the switch is closed (therefore it is on). The circuit is complete.



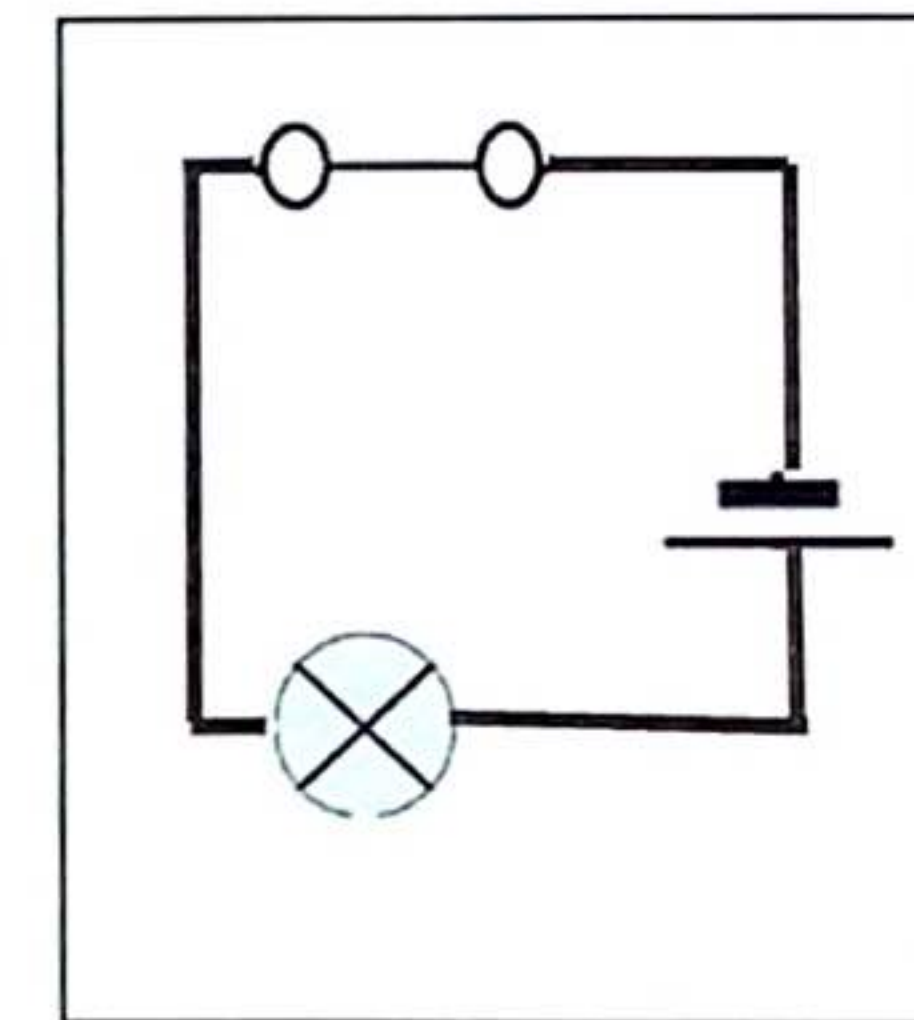
Is it a complete circuit? Yes/No



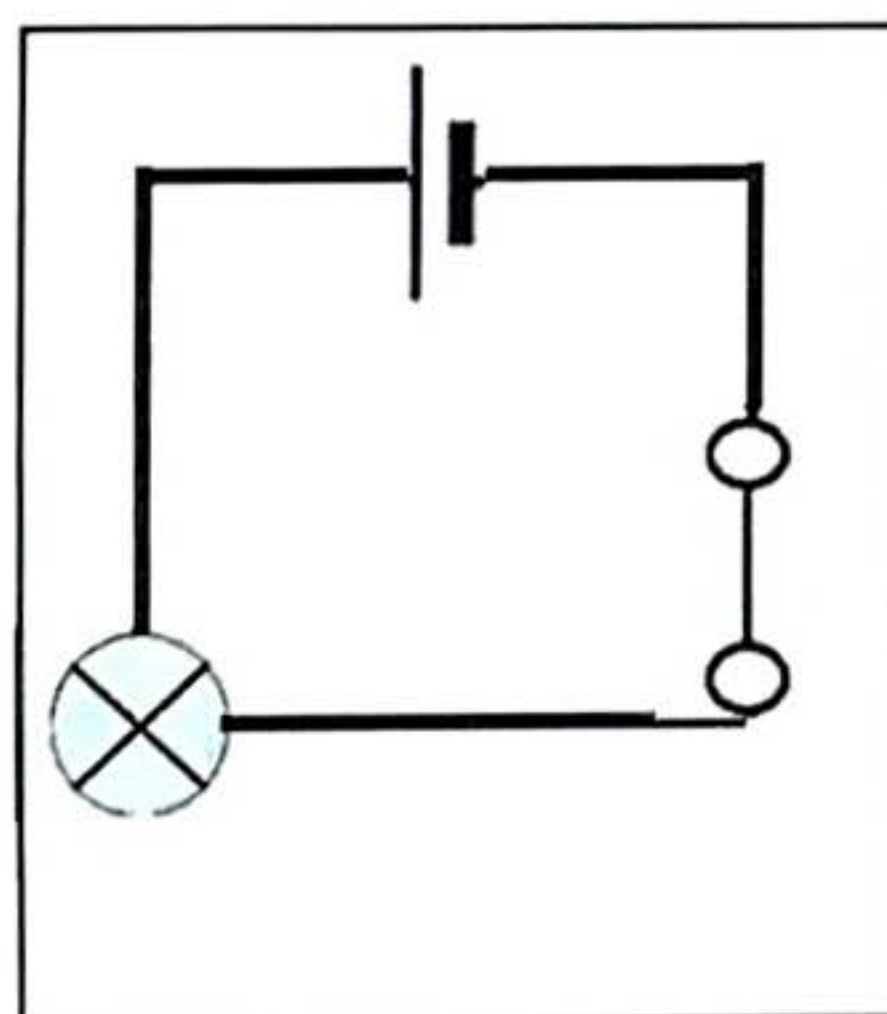
Is it a complete circuit? Yes/No



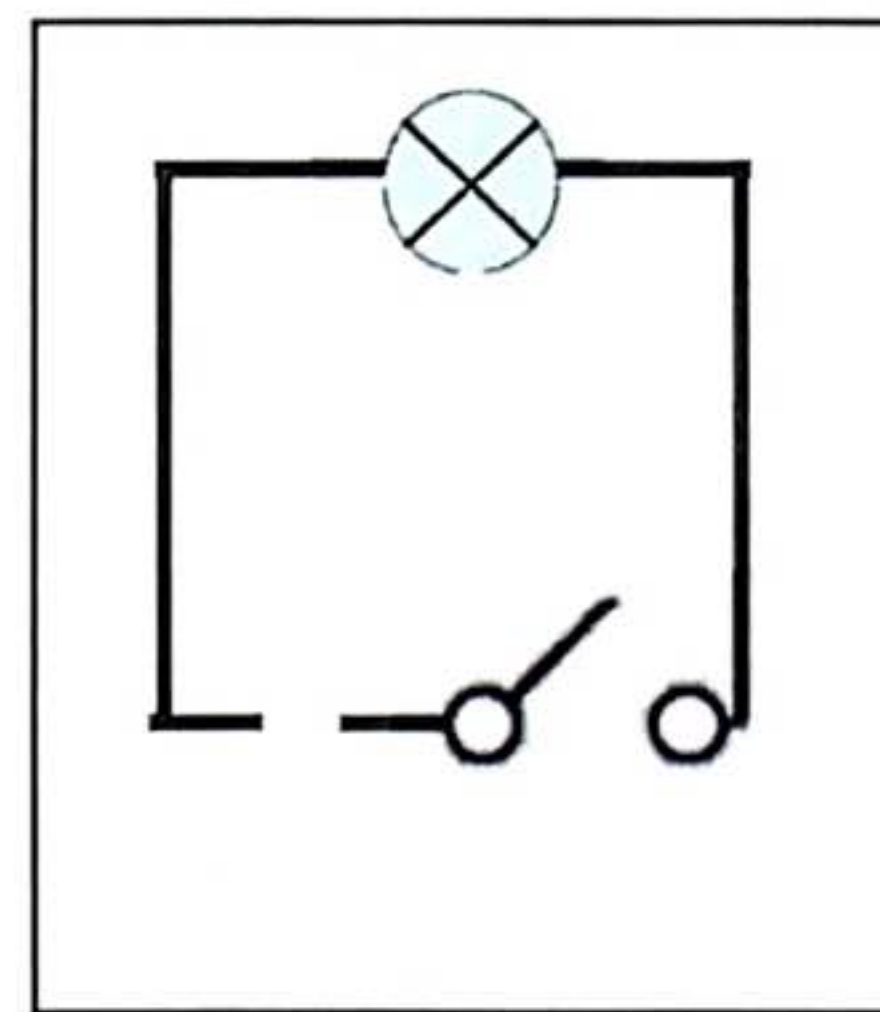
Is it a complete circuit? Yes/No



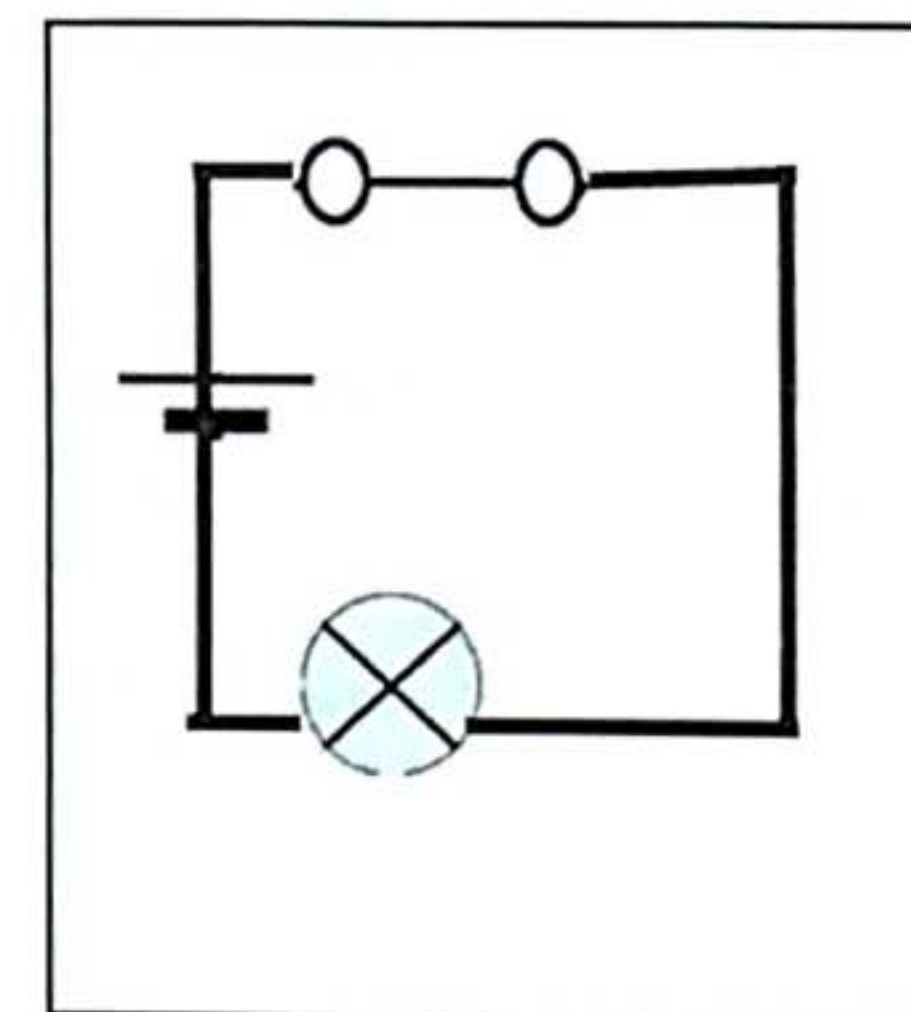
Is it a complete circuit? Yes/No



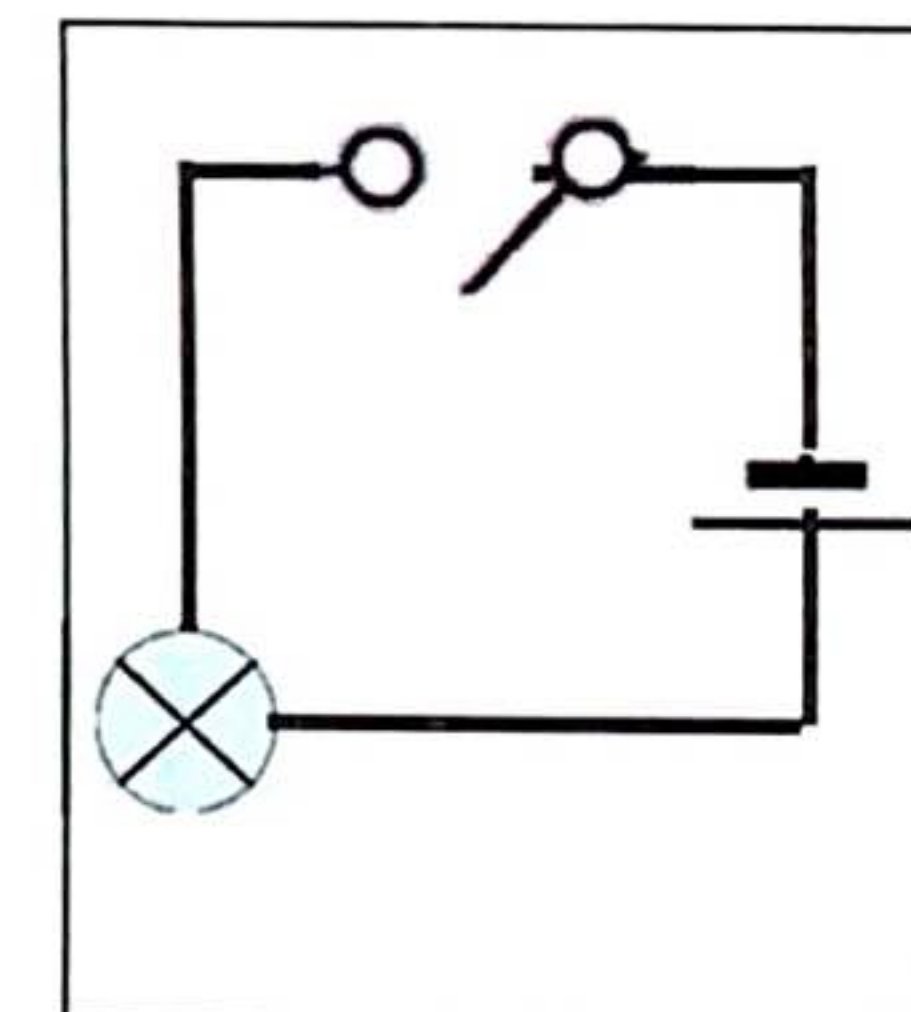
Is it a complete circuit? Yes/No



Is it a complete circuit? Yes/No





Is it a complete circuit? Yes/No





Is it a complete circuit? Yes/No

Key:

battery/cell 

wire 

Bulb 

switch 





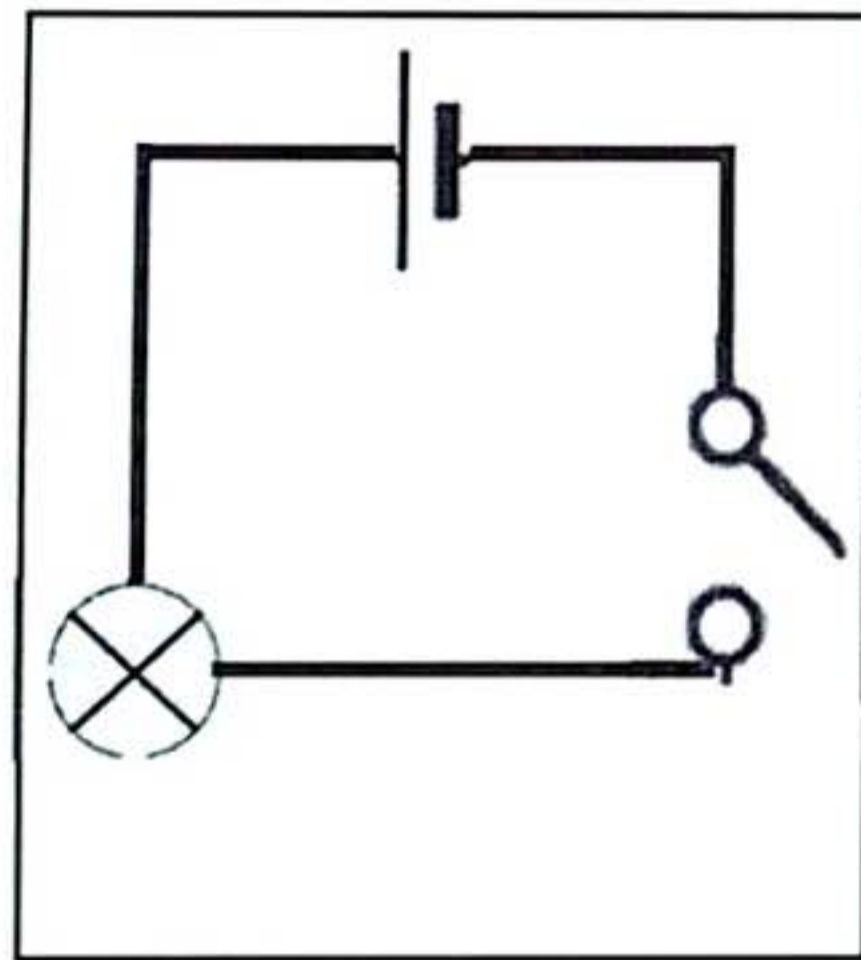
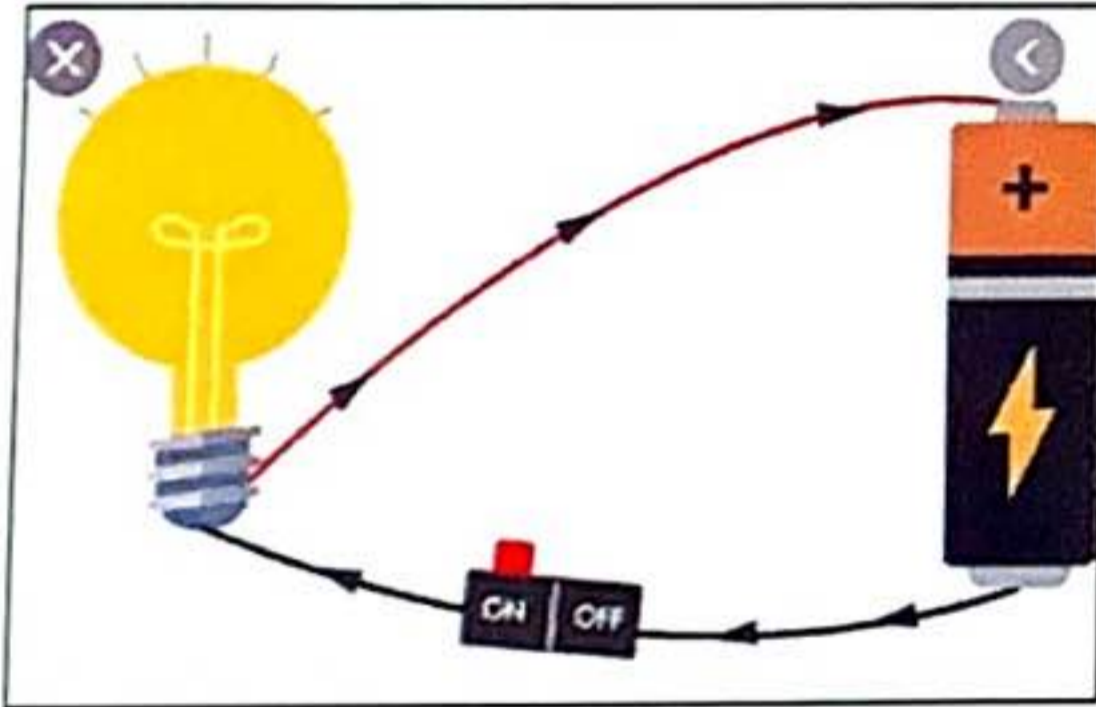
# What is a switch?

Friday 26<sup>th</sup> June

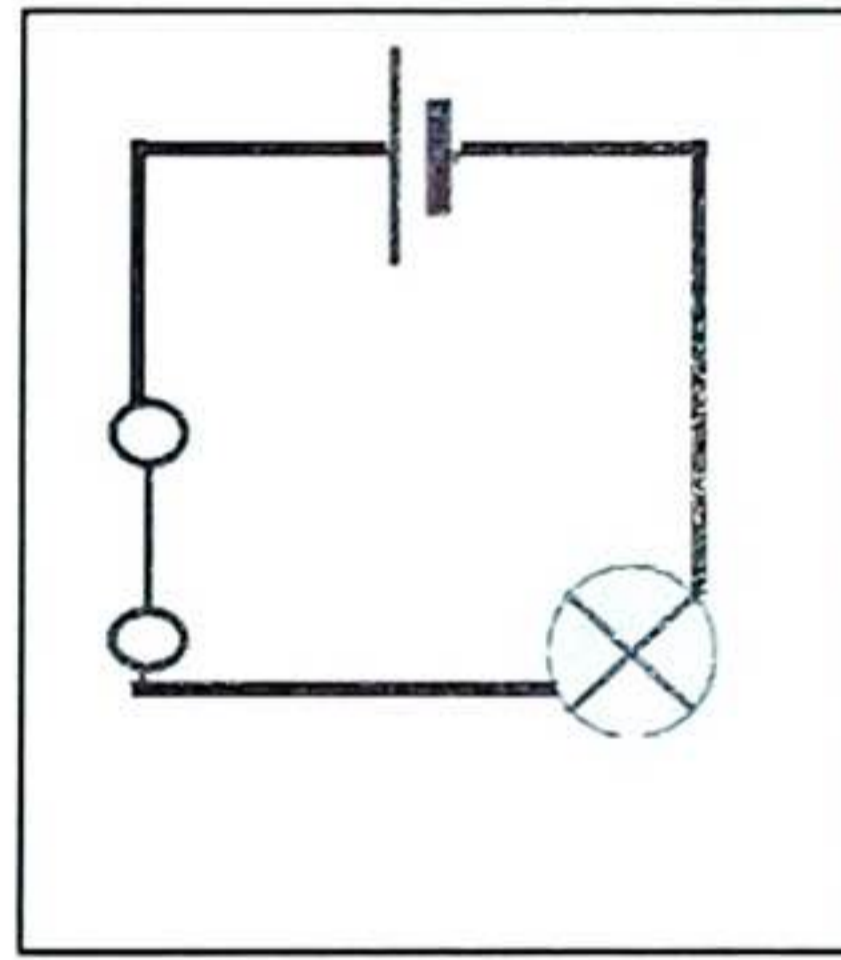
Decide if the circuits below are complete or broken, explain your reason for your answer.

Colour the complete circuit bulbs yellow to show there is power when you are finished.

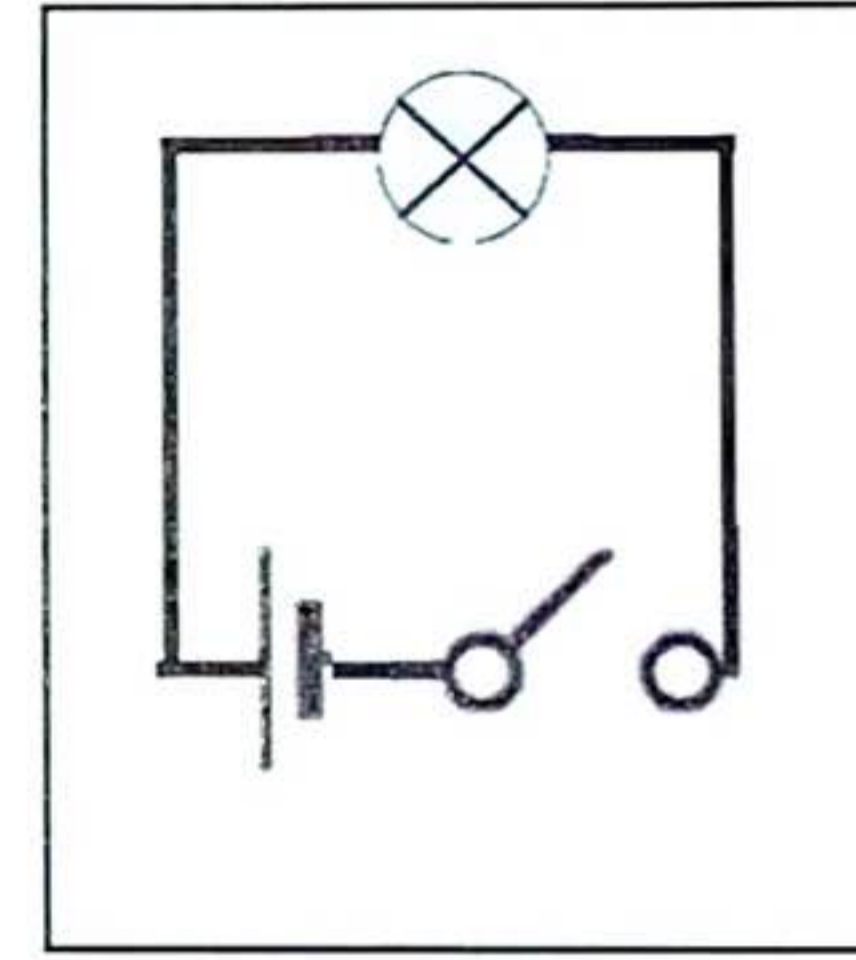
Below is a simple everyday circuit, containing a bulb, battery and switch. The bulb is lit up because the switch is closed (therefore it is on). The circuit is complete.



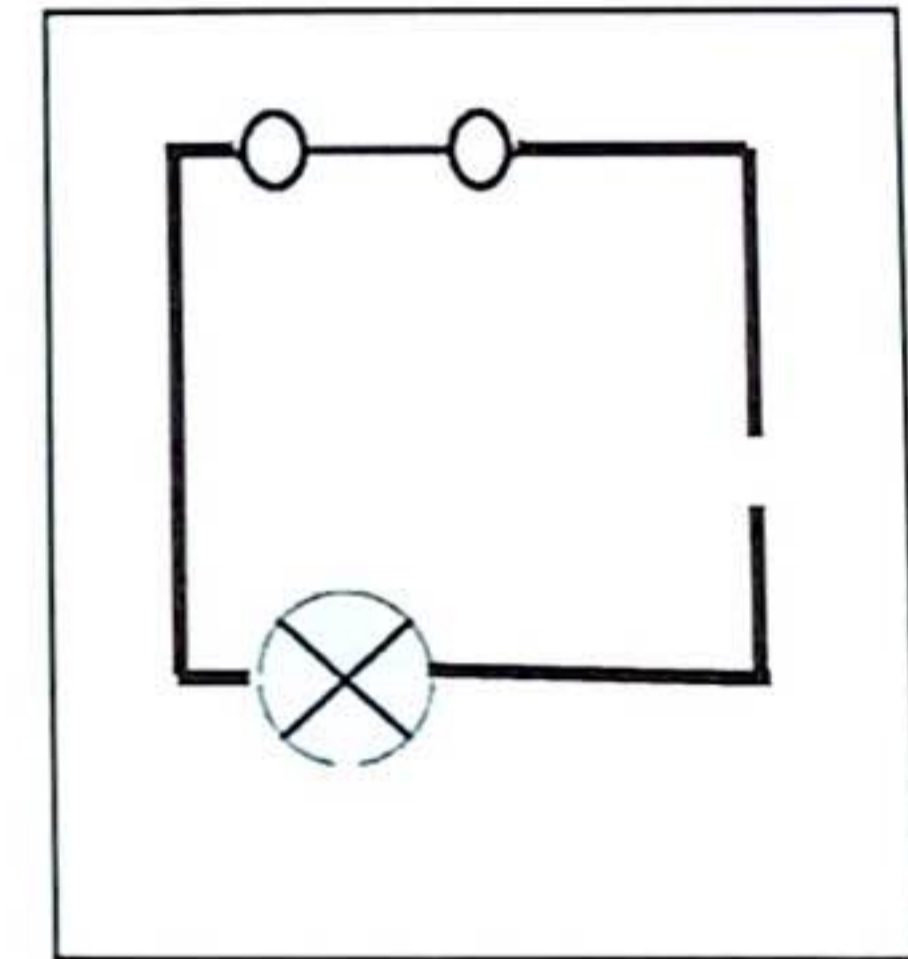
broken because the switch is open



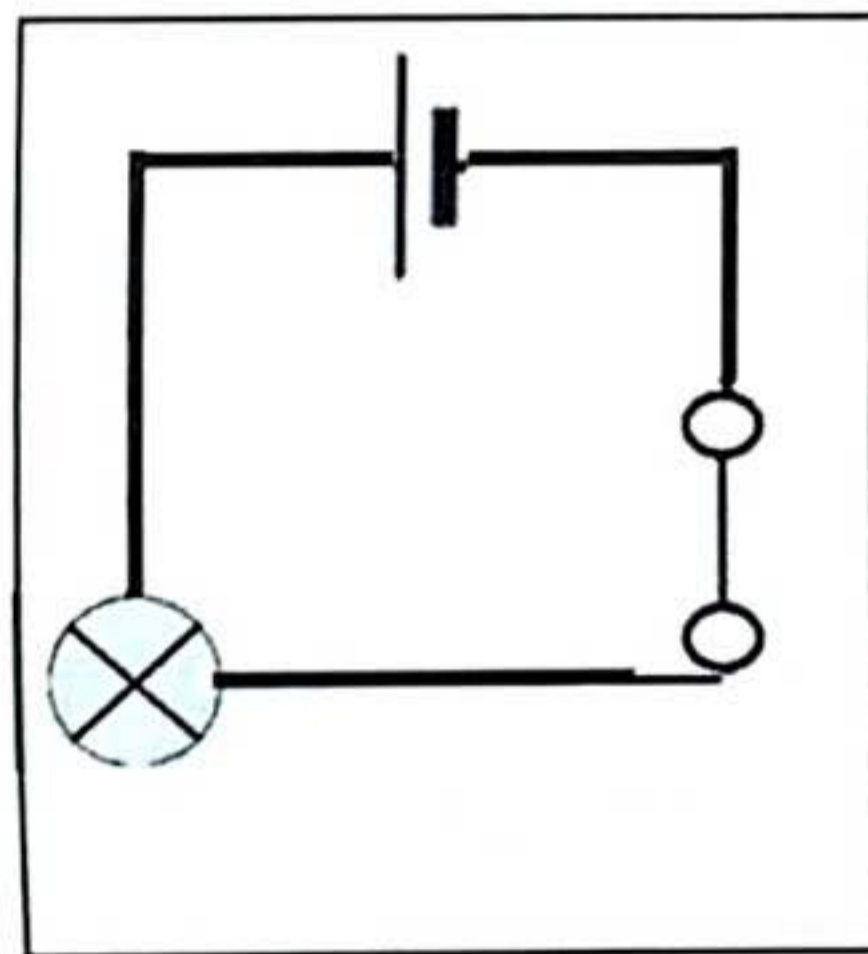
complete as the switch is closed



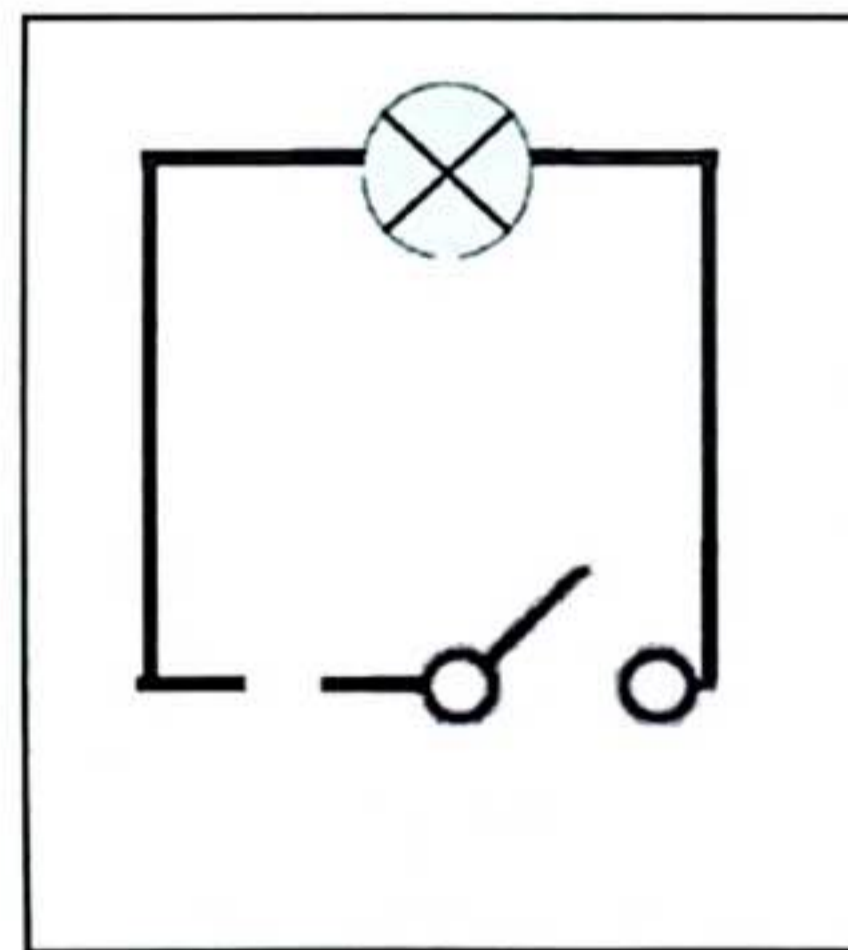
broken as the switch is open



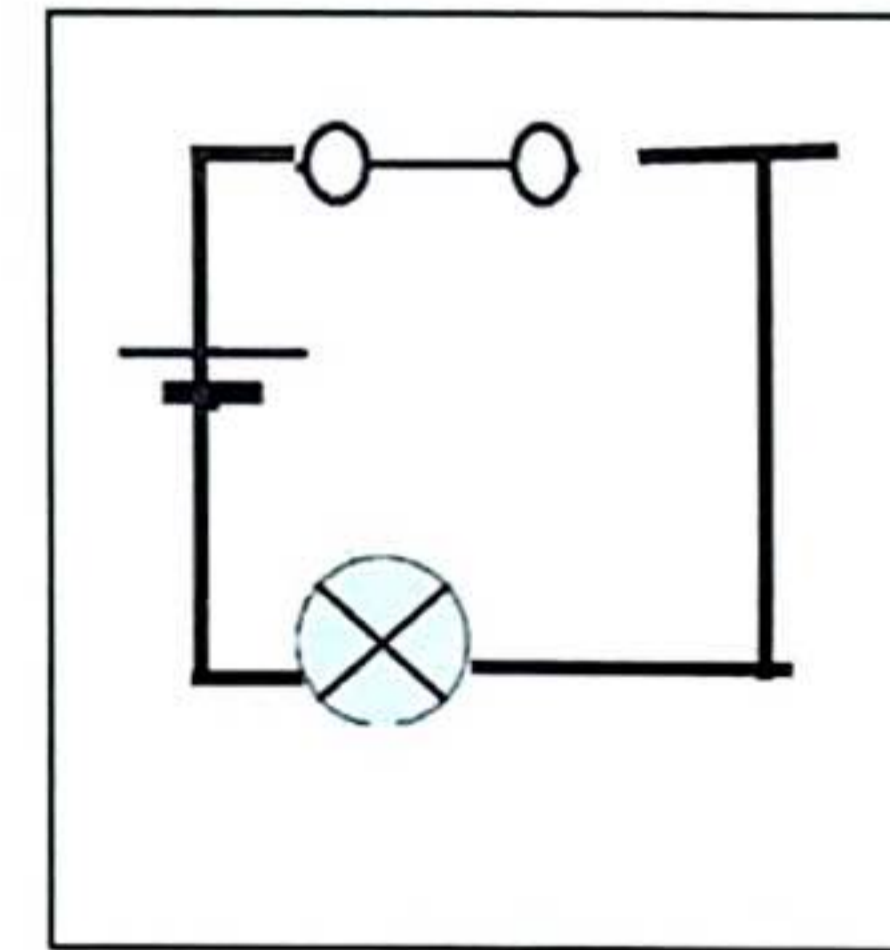
broken, although switch is closed there is no battery



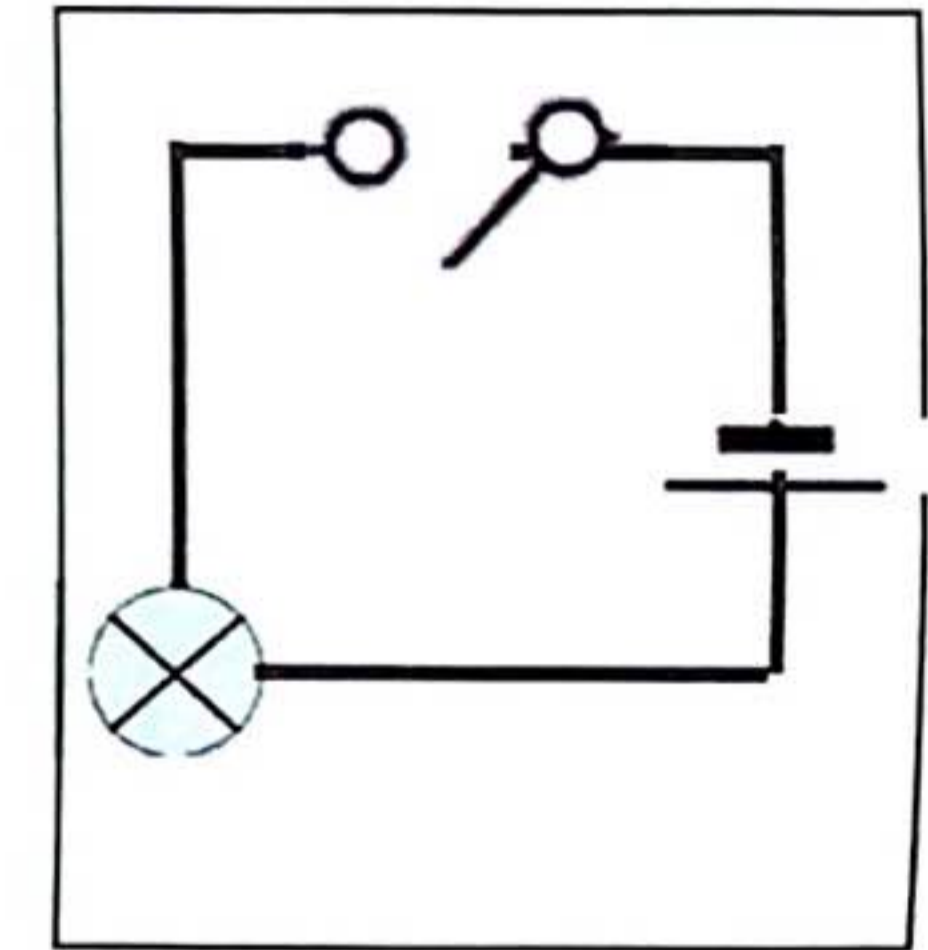
complete, the switch is closed



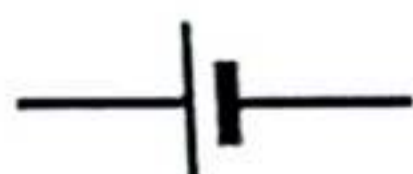



broken as there is a gap in wire and no battery



broken as there is a gap in wire



broken as switch is open

Key:  
 battery/cell   
 wire   
 Bulb   
 switch 



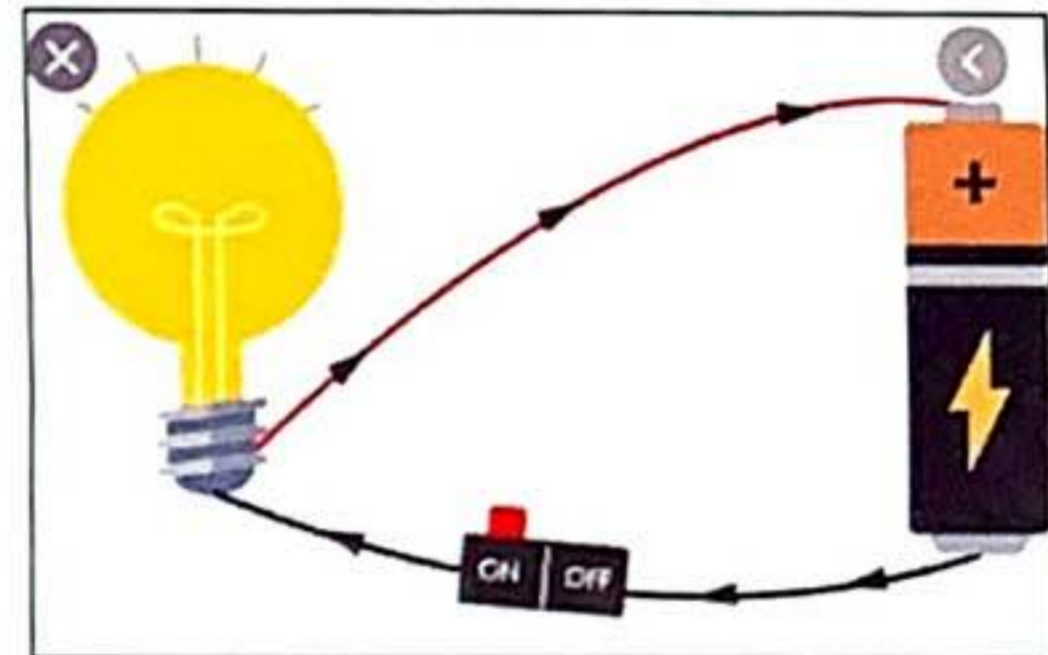
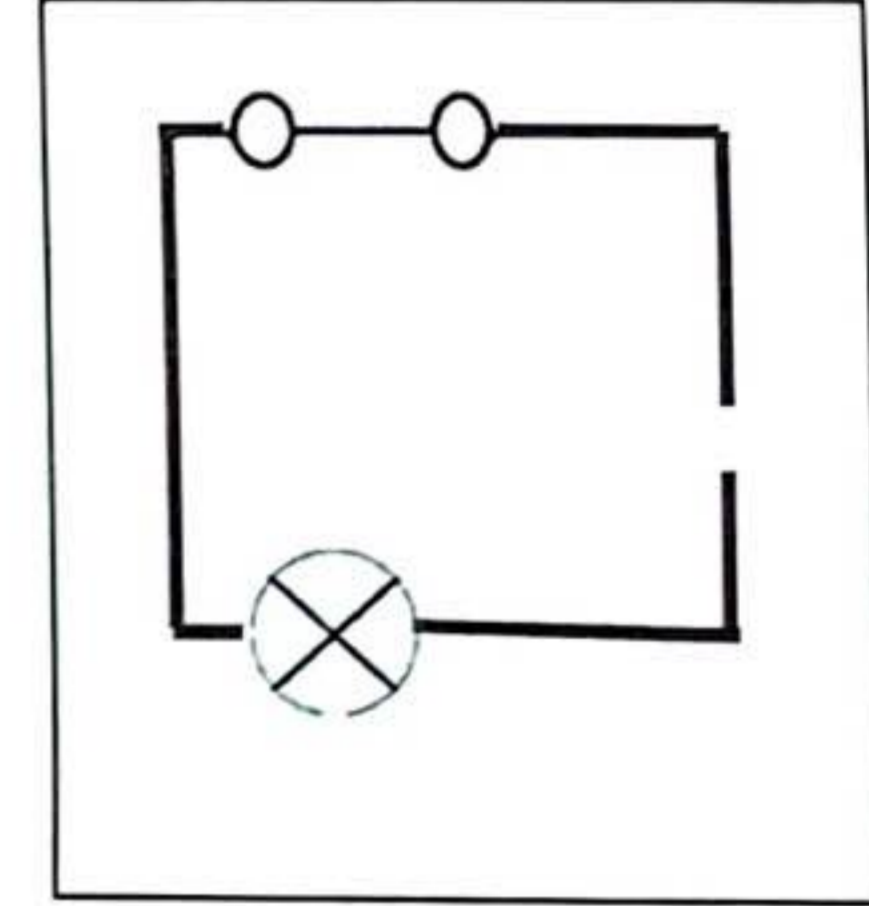
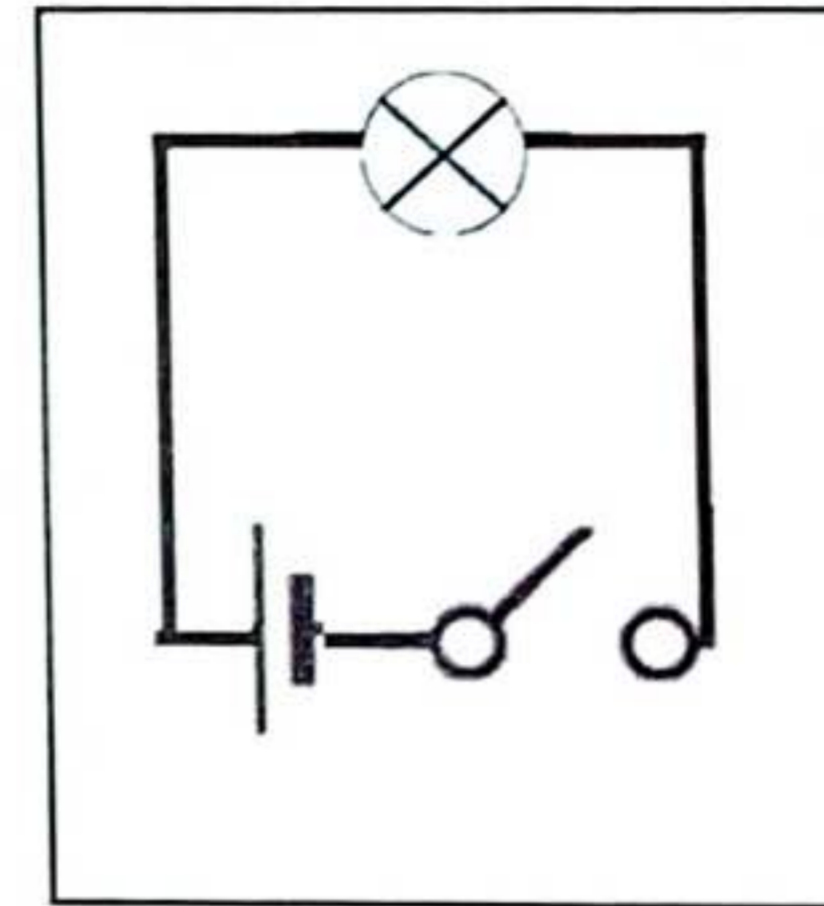
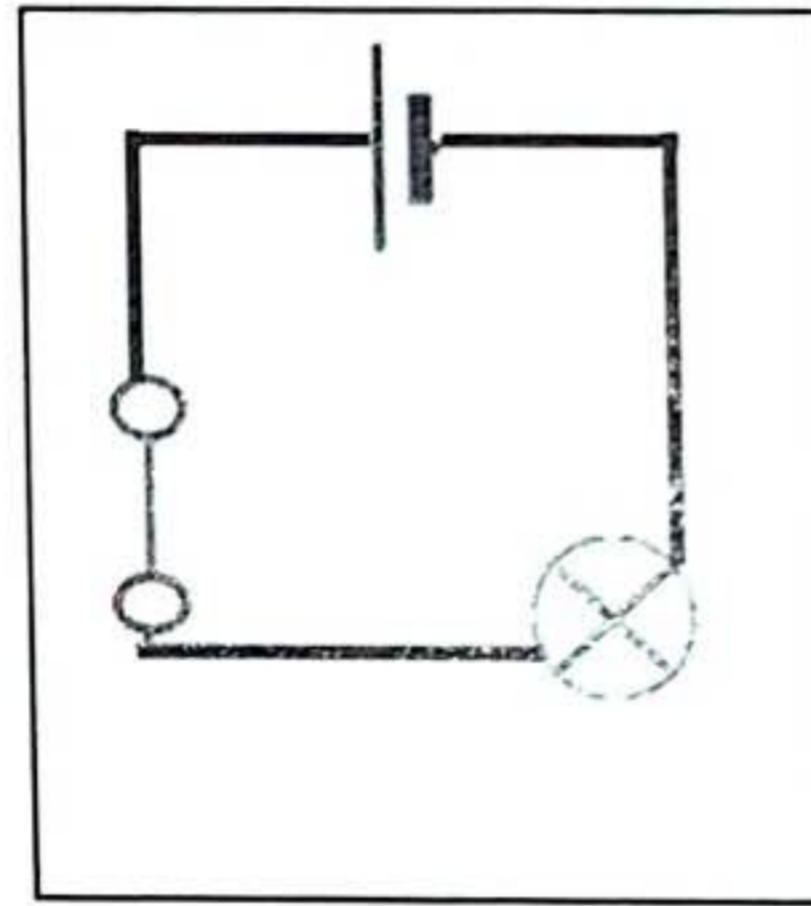
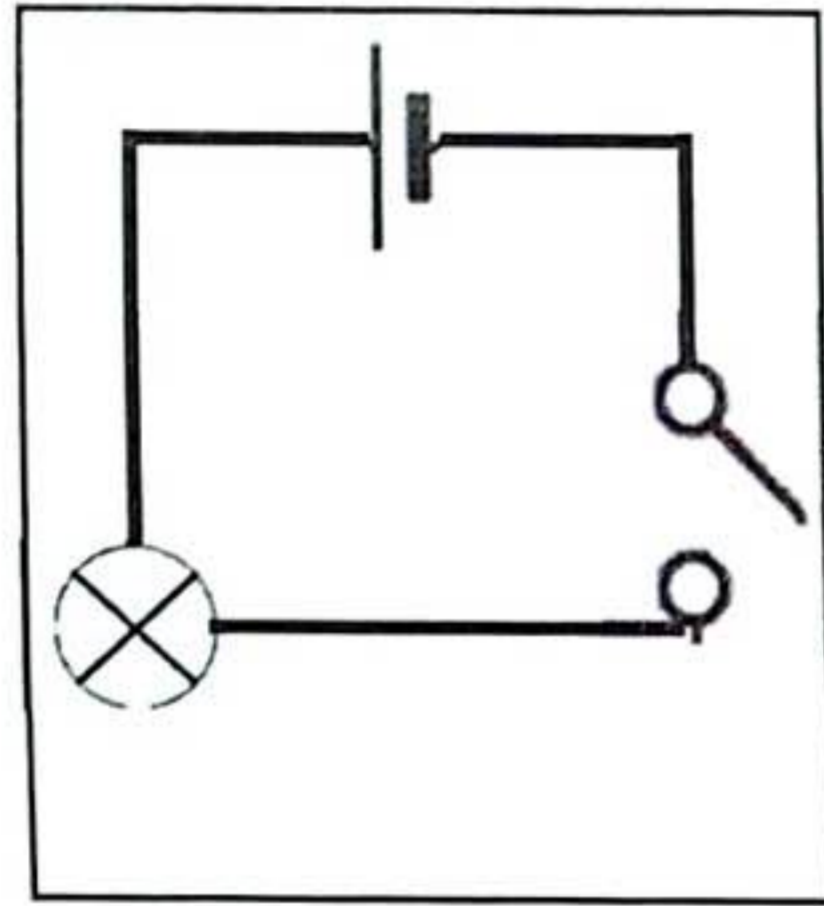


# What is a switch?

Friday 26<sup>th</sup> June

Decide if the circuits below are complete or broken, explain your reason for your answer. Then, on the back of the sheet explain how the broken circuits need fixing. Colour the complete circuit bulbs yellow to show there is power when you are finished.

Below is a simple everyday circuit, containing a bulb, battery and switch. The bulb is lit up because the switch is closed (therefore it is on). The circuit is complete.

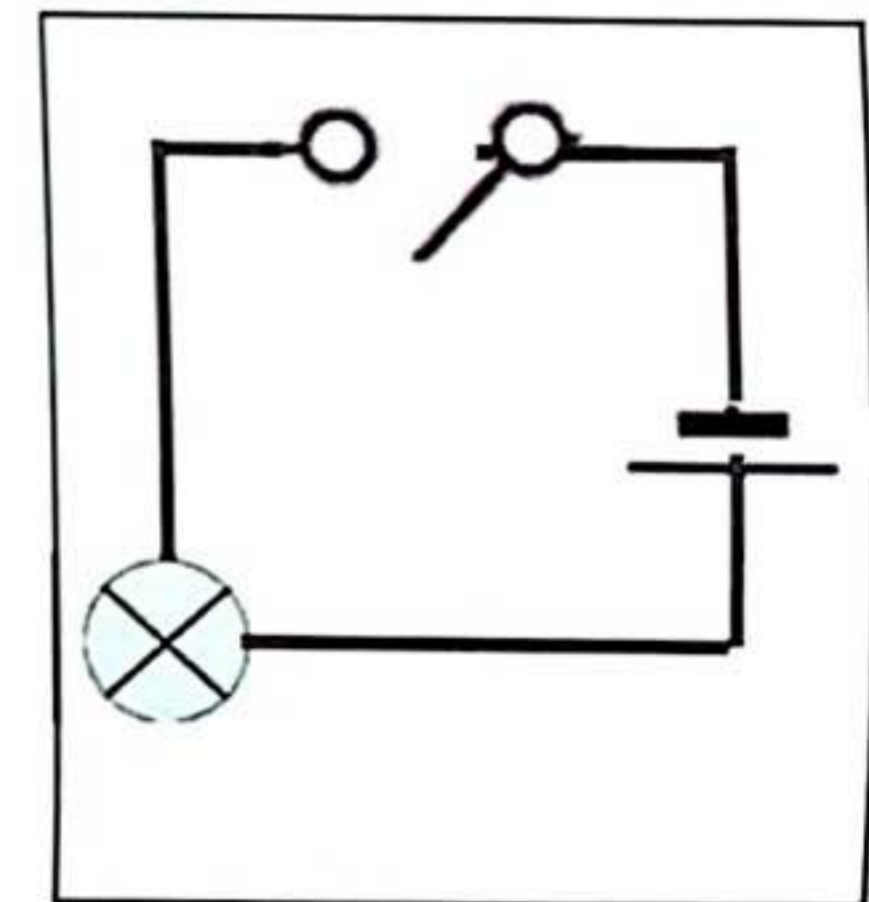
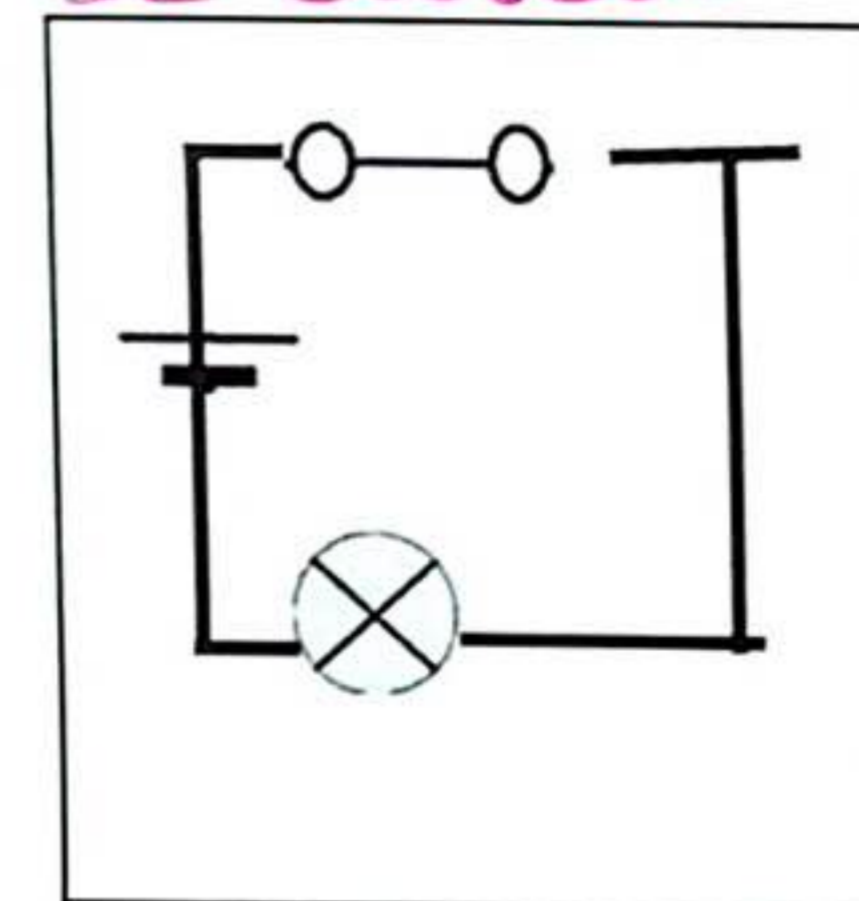
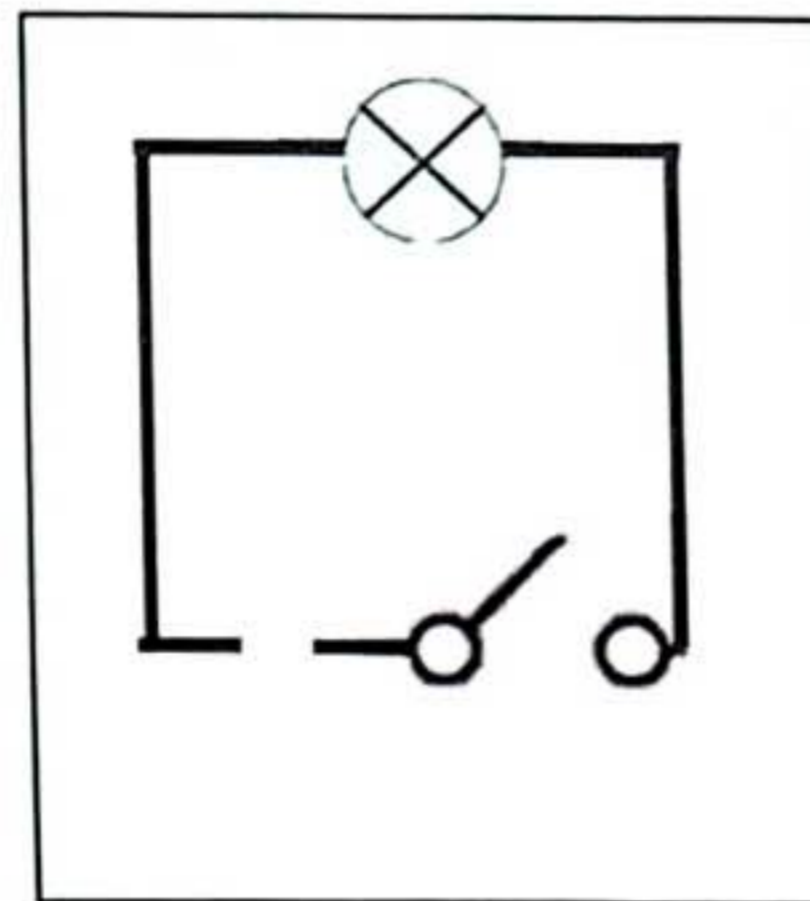
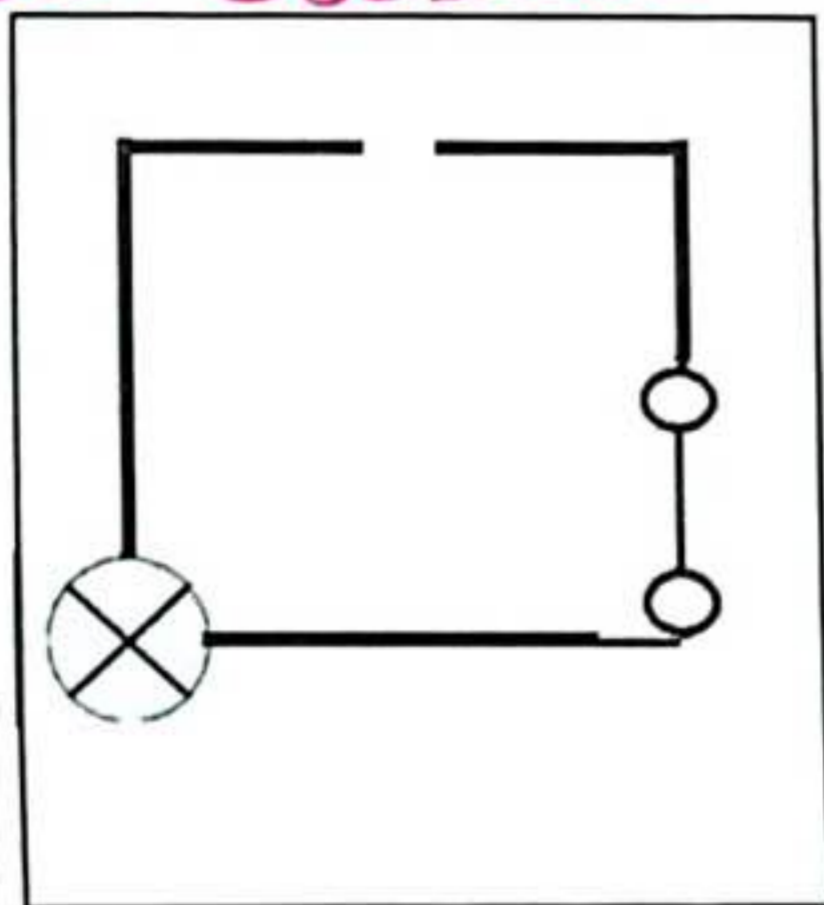


Broken, the switch is open and needs to be closed.

Complete, the switch is closed.

Broken, the switch is open and needs to be closed.

Broken, there is no cell/battery, it needs a battery.



**Key:**

- battery/cell
- wire
- Bulb
- switch

Broken, the circuit needs a battery, there is a gap in the wire.

Broken, there is no battery, it needs a battery.

Broken, there is a gap in the wire, the gap needs closing for electricity to

Broken, the switch is open and needs closing.