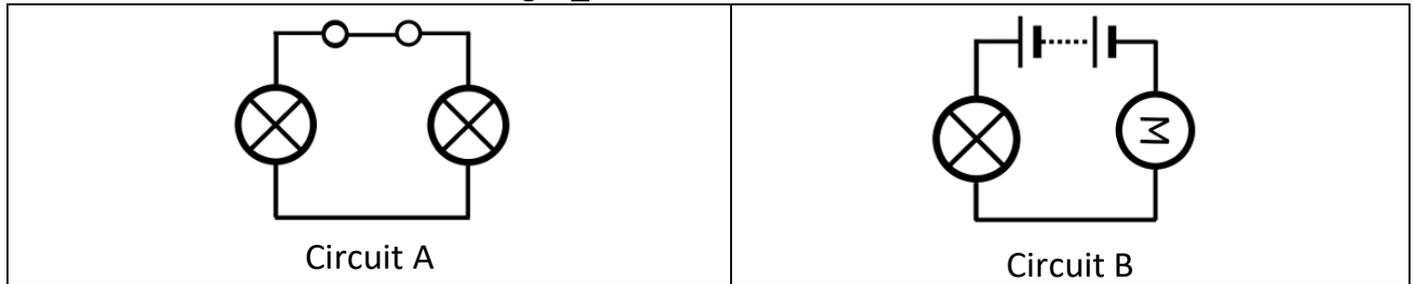


End of Unit Assessment – Year 4 – Electricity (Physics)

In which circuit will the bulb not light?



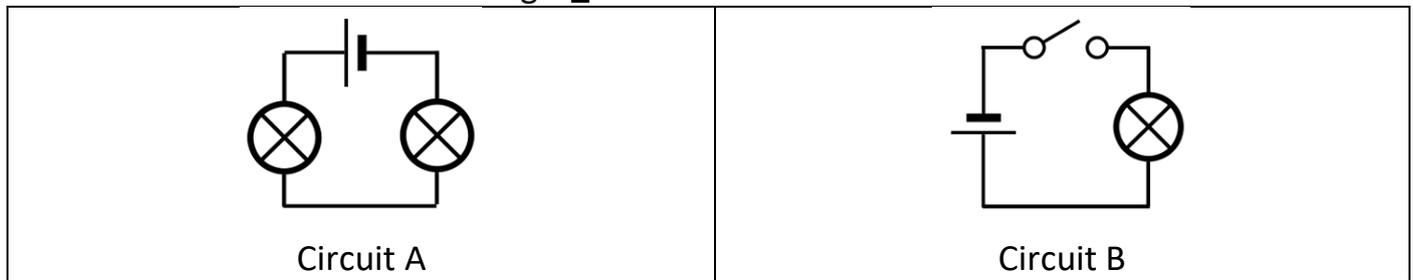
In circuit _____, the bulb will not light because

.....

.....

.....

In which circuit will the bulb not light?

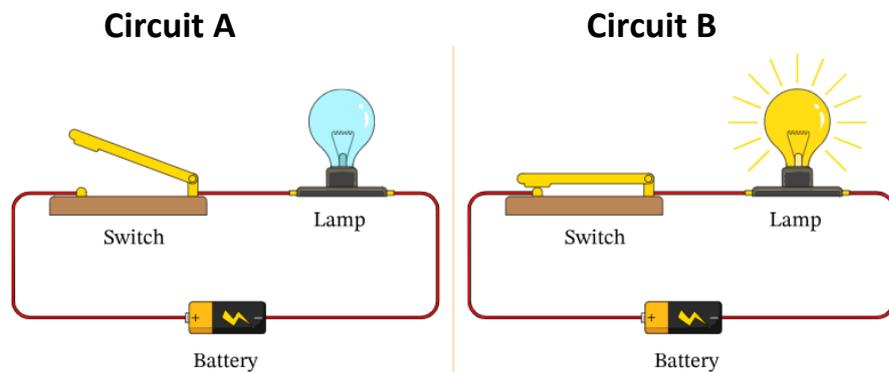


In circuit _____, the bulb will not light because

.....

.....

.....



The above diagram shows two circuits. In the circuit A the lamp is not lit because the switch is open (off) but in circuit B the lamp is shining brightly because the switch is closed (on). Explain how switches work.

Switches work by

.....
.....

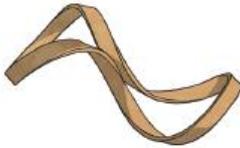
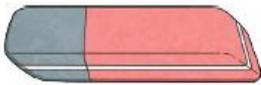
When the switch is open

(off).....
.....
.....

When the switch is closed

(on).....
.....
.....

Sort the items into conductors or insulators – write them into the table below

 paper clip	 rubber band	 coin
 eraser	 cork	 brass fastener
 popsicle stick	 plastic block(s)	 copper wire
 key	 string	

Conductor	Insulator
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Key assessment Criteria	Assessment 1 / 2 / 3
NC -To identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.	
NC- To know how a switch works	
NC -To recognise some common conductors and insulators, and associate metals with being good conductors	