Electrical Circuits

Application

Q1: How can we define a generator?

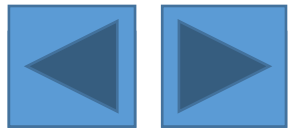
A device that provides an electric current

A device that receives an electric current

Q2: How can we define a receiver?

A device that receives an electric current

A device that provides an electric current



Q3: What is the dry cell?

Receiver

Generator

Q4: what is the lamp?

receiver

Generator

Q5: what is the motor?

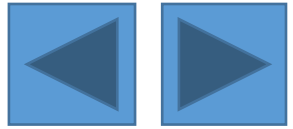
Gnerator

receiver

Q6: what do we use to connect a lamp to a generator?

Wires

Switch



Q7: when does the lamp shine in a circuit?

When the switch is open

When the switch is closed

Q8: when the circuit is said to be opened?

If there is no passage of electric current

If there is passage of electric current

Q9: how many poles does the lamp have?

2

1

Q9: how many poles does the dry cell have?

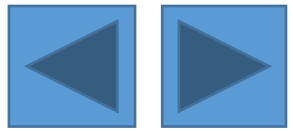
1

2

Q1: How can we define a conductor?

A body that allows the passage of an electric current

A body that doesn’t allow the passage of an electric current



Q2: How can we define an insulator?

A body that doesn’t allow the passage of an electric current

A body that allows the passage of an electric current

Q3: What is the wood?

Conductor

Insulator

Q4: what is the aluminum?

Insulator

Conductor

Q5: what is the paper?

Conductor

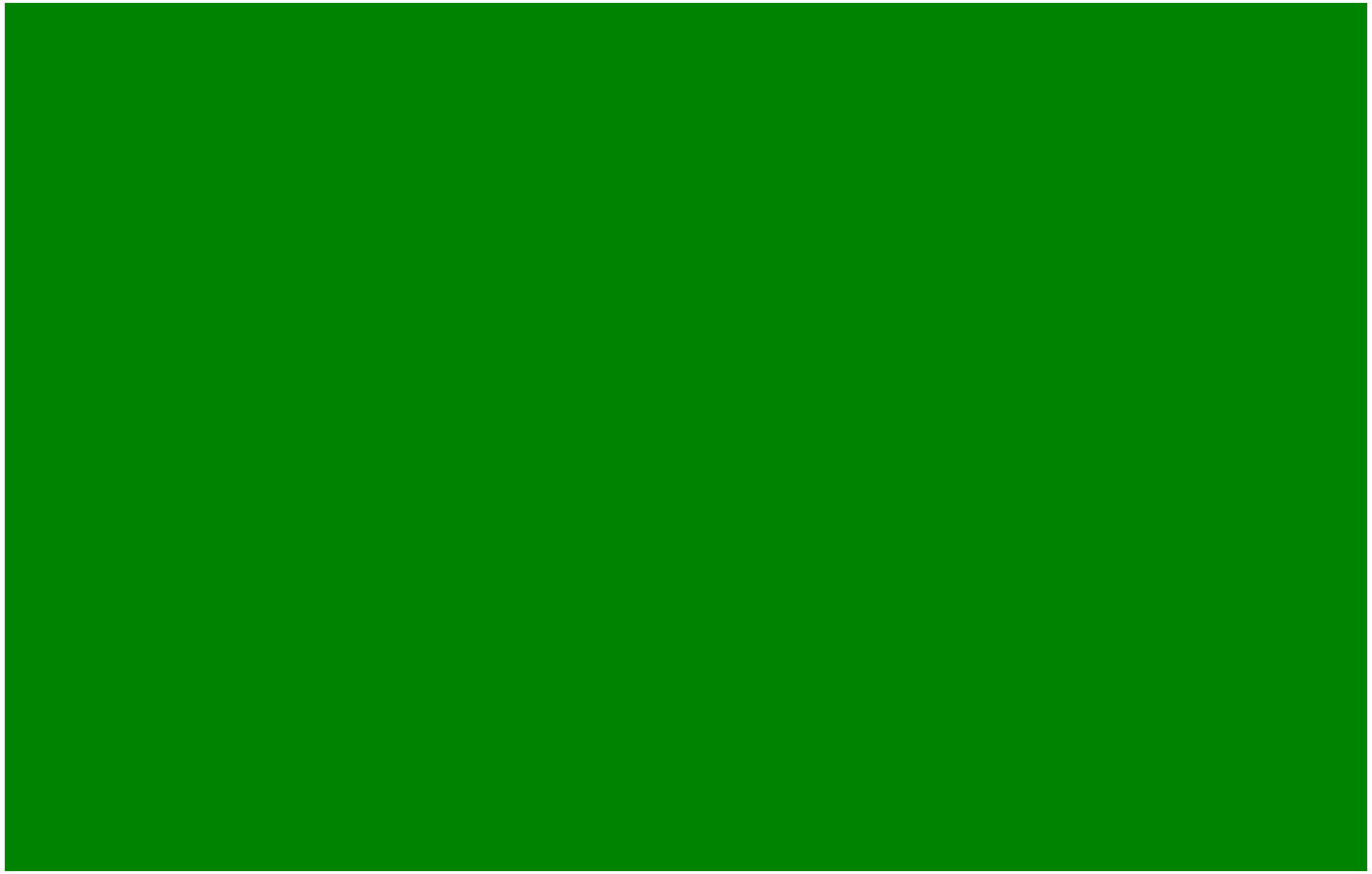
Insulator

Q6: what is human body?

Conductor

Insulator

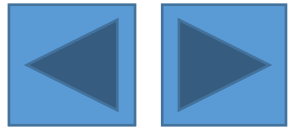
Watch this video about the types of an electric circuit:



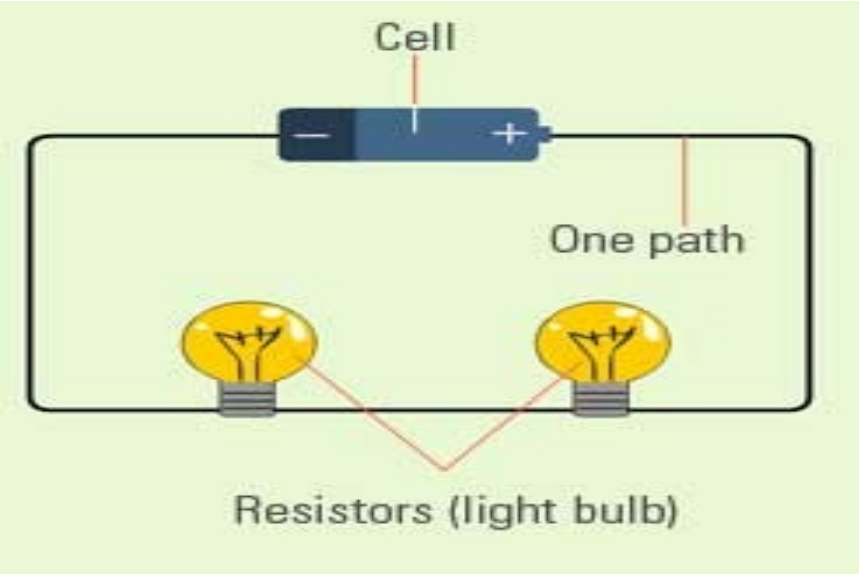
Q7: what are the two types of electric circuit?

Conductor and insulator

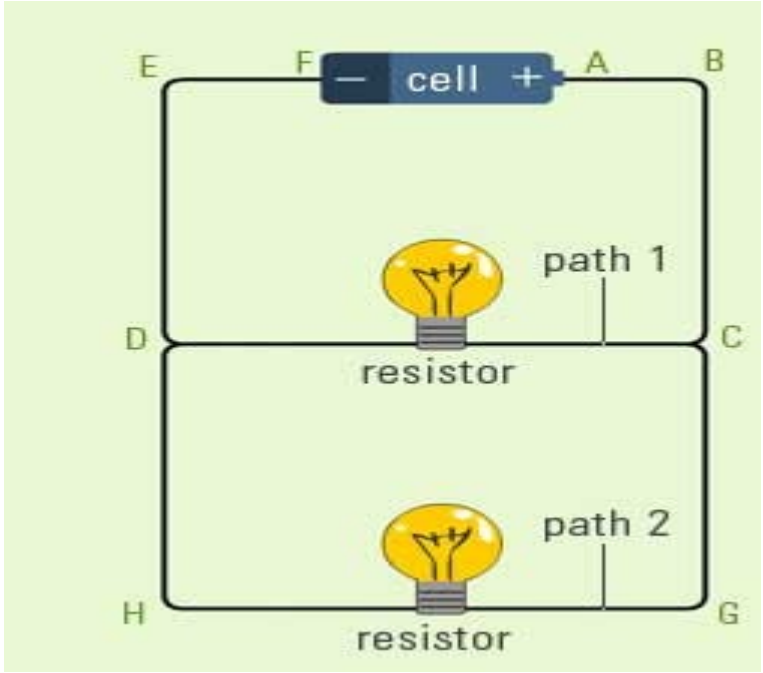
Series and parallel



A series circuit is one that has more than one lamp, but only one path through which the electricity flows. From one end of the dry cell (battery), the current moves along one path with NO branches.



In a parallel circuit, there is more than one lamp and they are arranged on many paths. This means that electricity can travel from one end of the cell through many branches to the other end of the cell.

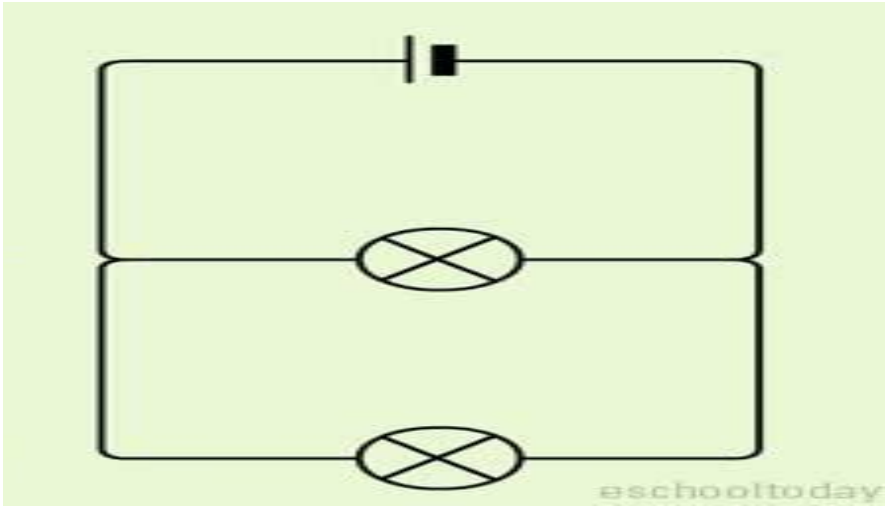


Q8: How many braches does the series circuit have?

1

Many

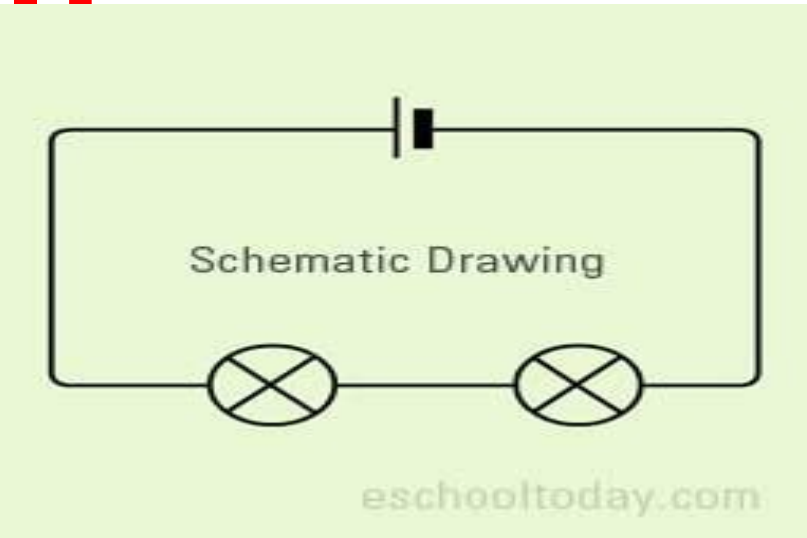
Q9: this circuit is series or parallel?



Parallel

Series

Q10: this circuit is series or parallel?



Series

Parallel

The END