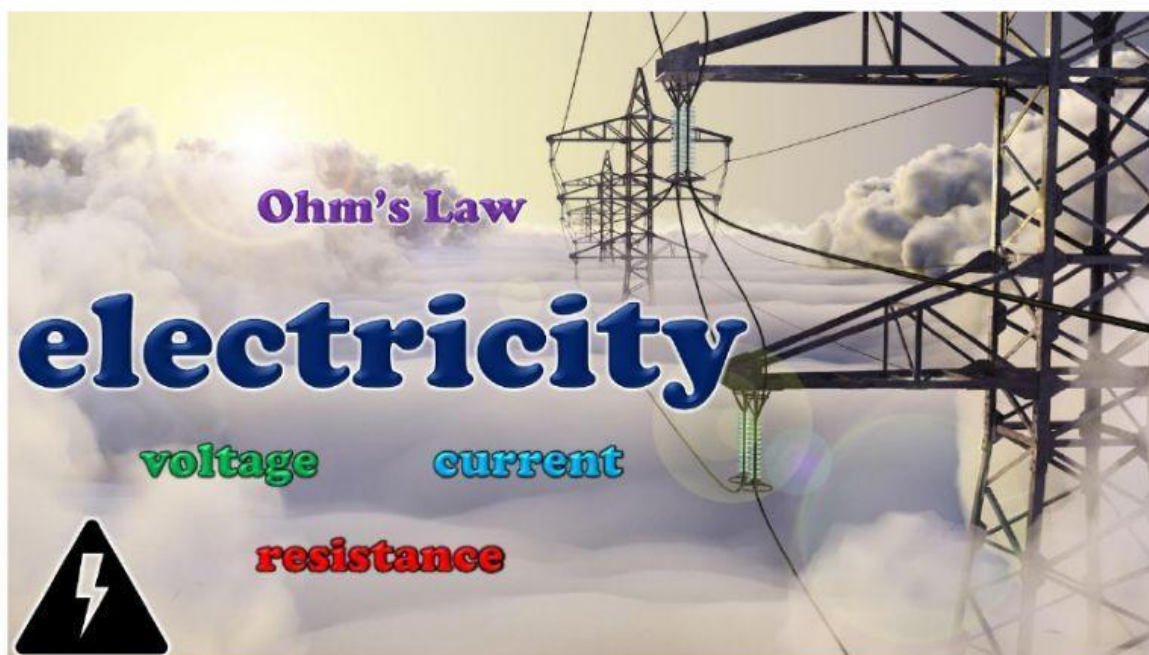


Electricity test

Instruction; Watch the video lesson below and answer the questions that follow.



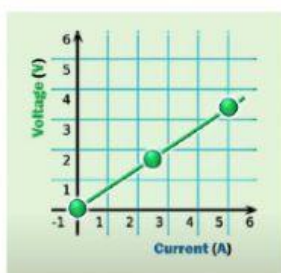
Section 1: Choose the correct answer from the pop down arrows.

1. What is electricity?
2. What charge do electrons have?
3. What charge do protons have?
4. What charge do neutrons have?
5. Electrons in a circuit flow_____.
6. According to Ohm's law _____

Section 2: Complete the table below with the missing information from the pop down arrows

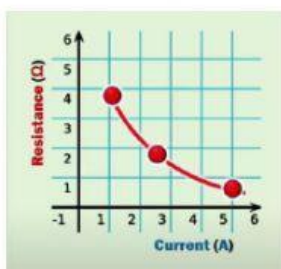
Quantity	Symbol	Unit of measurement	
		Unit	Abbreviation
Current			
Voltage			
Resistance			

Section 3: Use the given graphs to complete the statements that follow by selecting the best answer from the arrows.



1) Voltage and current have a/an _____ relationship.

2) The above statement in 1) means that, as Voltage _____ as current _____.



3) Resistance and current have a/an _____ relationship.

4) The statement in 3) means that, resistance _____ as current _____.

Section 4: Choose the best options to complete the statements about Measuring resistance, current and voltage.

1. Current is measured by connecting a/an _____ in _____ so that the _____ flowing in a circuit flow through it.

It can also be determined by _____ by _____ if they are given.

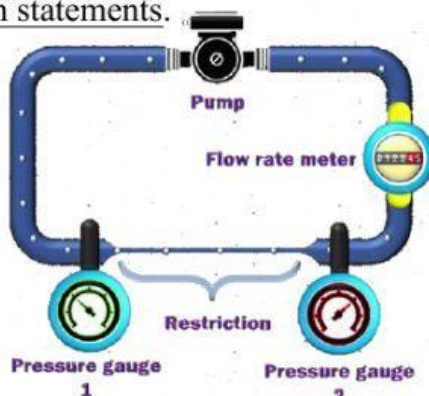
2. Voltage across a circuit component can be measured by connecting a _____ in _____ with the component.

It can also be determined by _____ by _____ if they are given.

3. To measure resistance of a circuit component, the _____ must be disconnected first and then connect a _____ across the component.

It can also be determined by _____ by _____ if they are given.

Section 5: The pressurized water system below operates like an electrical circuit. Use it to complete the given statements.



1. The pump provides the _____ as a _____ provides the _____ in an electrical circuit.
2. The water flow rate meter provides _____ as the _____ Provides the _____ in an electrical circuit.

3. Pressure gauges 1 and 2 provide the _____ drop across the restriction like the _____ provides a _____ difference in an electrical circuit.

Section 6: Choose the best options to complete the statements about Ohm's law and resistance.

1. Resistance of an object is affected by its _____.
2. _____ generally, have _____ resistance than _____.

Complete the give statements using the Ohm's law triangle below



1. Voltage = _____

2. Current = _____

3. Resistance = _____