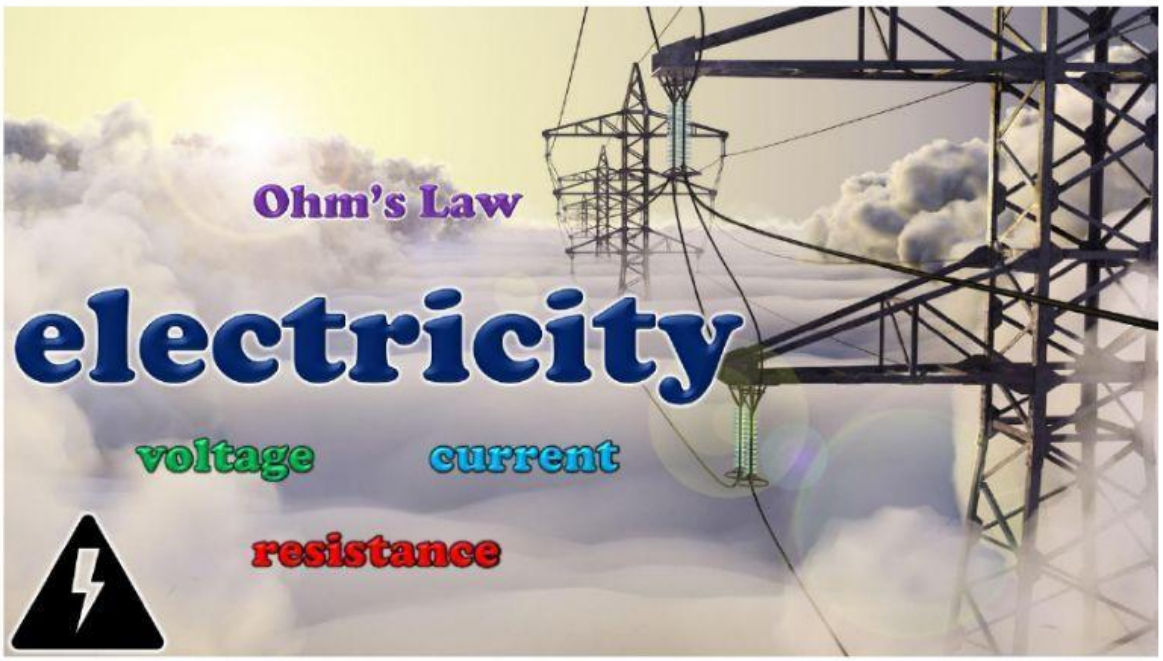
Electricity test

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 _____

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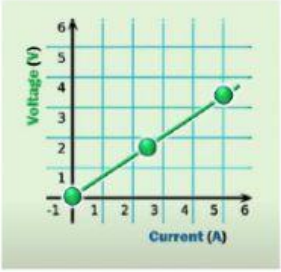
Section 2: Complete the table below with the missing information from the pop down arrows

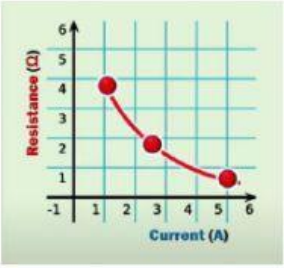
Quantity	Symbol	Unit of measurement	
		Unit	Abbreviation
Current			
Voltage			
Resistance			

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.

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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.

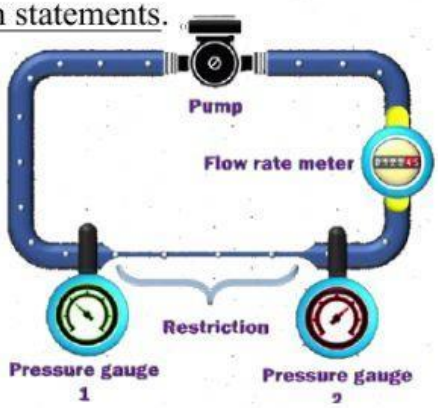
3. To measure resistance of a circuit component, the _____must be

   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.

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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 = _____

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