



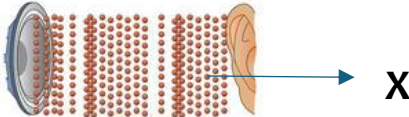


Worksheet of MODULE 1 “Term 2”		
Students Name		
Grade 4	4A 4B 4C 4D 4E	2024-2025

Question 1 (1)	
Which of the following best defines heat?	
A	The movement of energy from a warmer object to a cooler object.
B	Transfer of energy between two solid objects.
C	Transfer of energy in moving gases or liquids.
D	The energy that comes from a source in the form of waves or particles.

Question 2 (1)	
Which of the following slows down or stops the flow of electrical current?	
	
Copper	Silver
	
Gold	Wood
A	Copper
B	Gold
C	Silver
D	Wood

Question 3 (1)	
Which part of the sound wave that has fewer particles is represented with the letter (X)?	
	
A	Rarefaction
B	Compression
C	Vibration

Question 4

(1)

Based on the figure below, which of the following best describes how thermal energy is transferred?

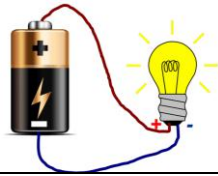


- | | |
|---|-------------|
| A | Radiation |
| B | Convection |
| C | Conduction |
| D | Evaporation |

Question 5

(1)

Which of the following best describes the below electric circuit with a bulb lights up?



- | | |
|---|----------|
| A | opened |
| B | Broken |
| C | Parallel |
| D | Closed |

Question 6

(1)

Which of the following defines the flow of electricity through a conductor?

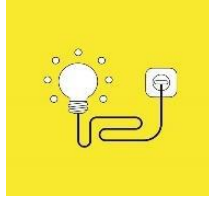
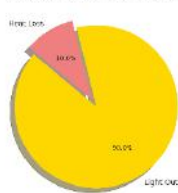
- | | |
|---|-------------------|
| A | Battery. |
| B | Electric current. |
| C | Insulator. |
| D | Resistor. |

Question 7

(1)

Which of the following best describes how does energy changes in an electric circuit?

Energy Distribution in an LED Bulb



A Chemical to thermal energy.

B Electrical to light energy.

C Electrical to chemical energy.

D Thermal to sound energy.

Question 8

(1)

Which of the following statements about **thermal energy** is correct?

A Thermal energy moves from a substance with a higher volume to a substance with a lower volume.

B Thermal energy moves from substance with a lower temperature to substance with a higher temperature.

C Thermal energy moves from a substance with higher mass to a substance with a lower mass.

D Thermal energy moves from a substance with a higher temperature to a substance with lower temperature.

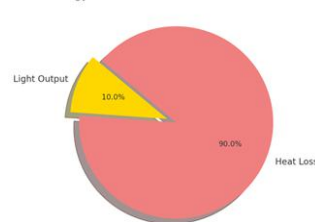
Question 9

(1)

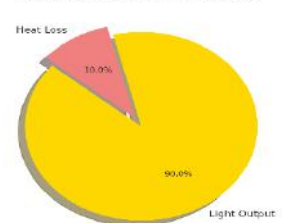
The pie chart compares the percentages of heat and light energy produced from LED and incandescent light bulbs.

What is the percentage of heat that is produced from each of them?

Energy Distribution in an Incandescent Bulb



Energy Distribution in an LED Bulb



A LED 10% and incandescent 90%

B LED 10 % and incandescent 2%

C LED 90% and incandescent 90%


D LED 90% and incandescent 2%

Question 10 (1)	
Which of the following is responsible for opening and closing the path in an electric circuit?	
A	Battery
B	Wire
C	Switch
D	Resistor

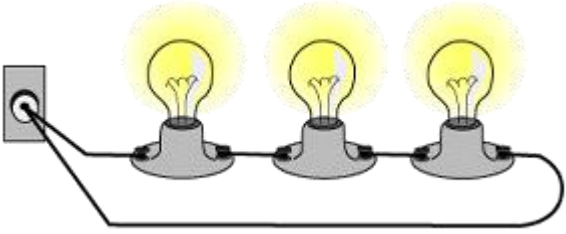
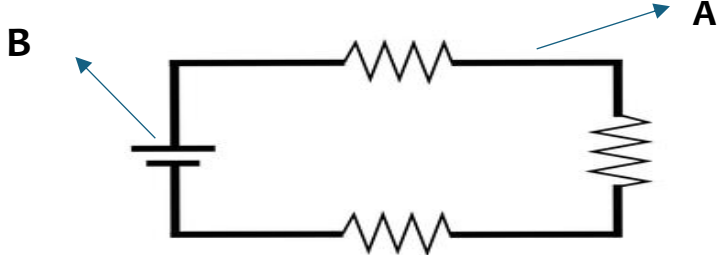
Question 11 (1)	
Which of the following defines the flow of electricity through a conductor?	
A	insulator
B	Electric current
C	Resistor
D	Battery

Question 12 (1)	
Which of the following statements about sound is correct?	
A	Sound travels fastest through solids and slowest through liquids.
B	Sounds travels fastest through solids and slowest through gases.
C	Sound travels fastest in gases and slowest through solids.
D	Sound travels fastest through liquids and slowest through solids.

Question 13 (1)	
Which of the following examples resembles the transformation of motion to sound energy?	
A	Plucking a guitar string makes noise.
B	Rubbing warm hands.
C	Ball rolls downhill.
D	Burning candle heats up.

Question 14 (1)	
Which type of energy transformation occurs when you use the laptop in the figure below?	
	
A	Electric energy to light energy only.
B	Electric energy to light and sound energies.
C	Electric energy to light and chemical energy.
D	Electric energy to light, sound and thermal energies.

Question 15 (1)	
A Stove, heater and match can all produce	
A	Nuclear energy.
B	Kinetic energy.
C	Thermal energy.
D	Sound energy.

Question 16 (1)	
The figure shows a type of electric circuit.	
 	
I.	Identify the type of the electric circuit shown SERIES CIRCUIT
II.	Letter (A) represents Wire
III.	Letter (B) represents Voltage source (battery)
IV.	How to increase the resistance in this type of circuit? Adding more bulbs (resistors)

