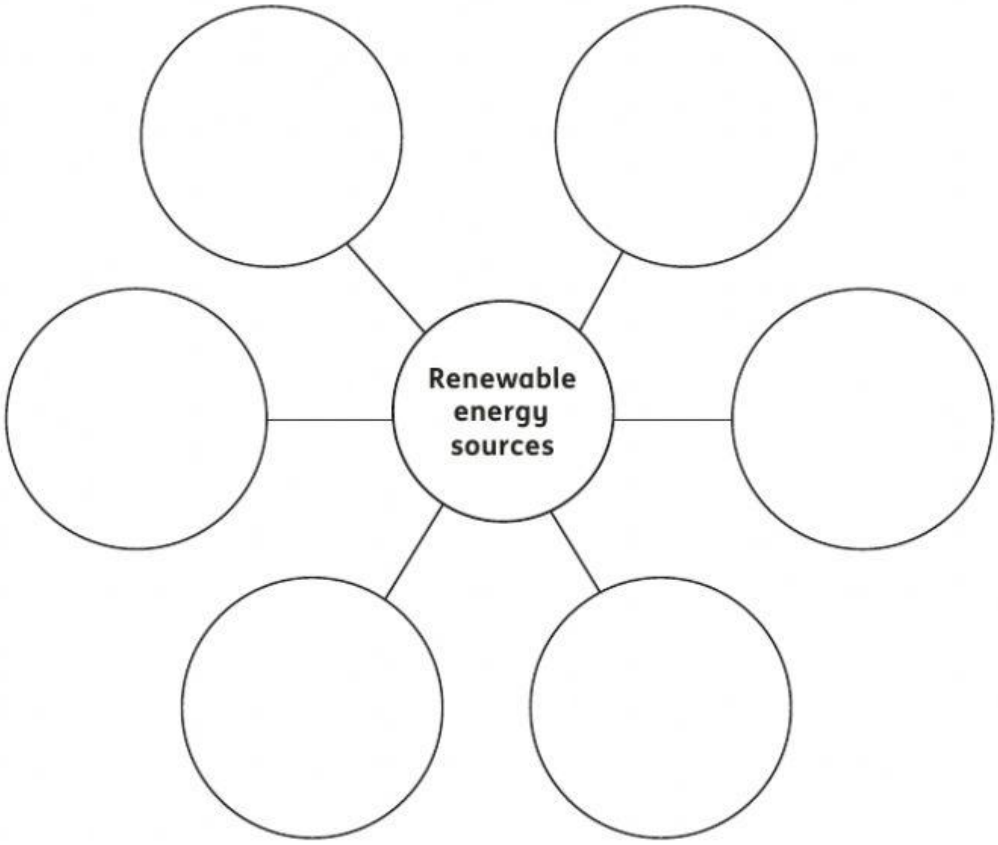
7.2 Renewable and Non-renewable Energy Resources

4 Complete the bubble map below on the sources of renewable energy.



(6 *marks*)

PART B

10

Instruction: *Choose the correct answer from* **A**, **B**, **C** *or* **D**.

7.1 Sources and Forms of Energy

1 Which of the following is the source of energy for this vehicle?



Diagram 1

A Nuclear energy
B Wind
C Fossil fuel
D Waves

2 How is biomass energy sources produced in Malaysia?
A Generation of solar energy all year round.
B Construction of hydroelectric dams in a few states.
C Animal faeces, firewood and organic wastes are reused.
D Construction of oil drilling platforms off the coastline.

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3 What is the form of energy shown in Diagram 2?

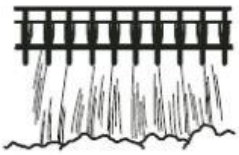


Diagram 2

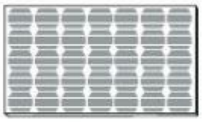
A Chemical energy
B Sound energy
C Potential energy
D Heat energy

4 Which of the following sources of energy results in environmental pollution?

A 

C 

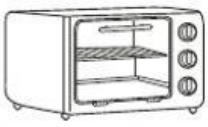
B 

D 

5 Which of the following is true?
A Energy can be destroyed.
B Energy is the ability to do work.
C Solar energy is growing because there are many power generating dams being built.
D All electrical appliances use dry cells to function.

6 Which electrical appliance does **not** involve the same energy transformation?

A 

C 

B 

D 

7.2 Renewable and Non-renewable Energy Resources

7 Which of the following is a renewable source of energy?

W	Wind
X	Biomass
Y	Natural gas
Z	Battery

A W and X
B W, X and Z
C Y and Z
D X, Y and Z

8 Malaysia is actively working on renewable energy resources. Why is this effort important?
A Consumers can use energy without limits.
B Consumers can save fossil fuel resources and reduce environmental pollution.
C A lot of energy can be obtained and there is no disruption in supply.
D The life of humans becomes more comfortable and increasingly modern.

9 What is the characteristic of a house which is energy efficient?
A Building fewer windows to avoid sunlight from entering the house
B Building the house on higher ground for better airflow
C Building the roof with dark and heavy materials
D Building the house away from the coast

10 Why is the government campaigning to encourage the use of public transportation such as electric trains and monorail?
A To increase national income
B To avoid air traffic congestion
C To save on the use of fuel resources for private vehicles
D To keep up with the development of modern technology

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PART C

/14

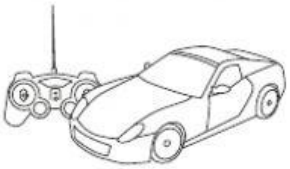
Instruction: *Write your answers in the spaces provided.*

7.1 Sources and Forms of Energy

1 Diagram 1 shows two objects which are powered by different energy sources.



A



B

Diagram 1

(a) State the source of energy for object

A: _____

B: _____

(2 *marks*)

(b) State the energy transformation involved in A and B.

A: _____

B: _____

(2 *marks*)

7.2 Renewable and Non-renewable Energy Resources

2 (a) Fill in the blanks in Diagram 2.1 with two renewable energy resources.

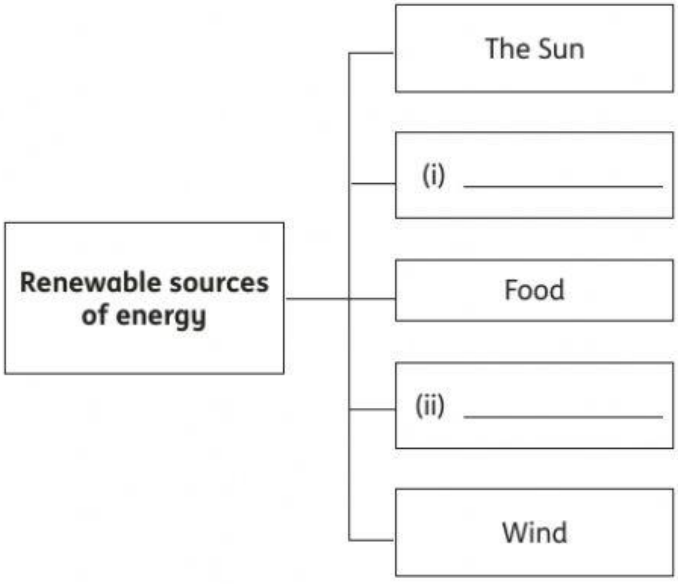


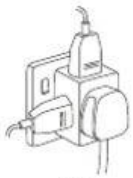
Diagram 2.1

(2 *marks*)

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(b) Diagram 2.2 shows two situations where a wall socket is used.



M



N

Diagram 2.2

(i) Based on Diagram 2.2, state **one** observation with regards to safety.

_____

(1 *mark*)

(ii) Give **a** reason for your answer in (b)(i).

_____

(1 *mark*)

(c)

> Most of the energy sources we use to generate electricity, cook and move the vehicles come from fossil fuels.

Based on the statement above, suggest **one** way to reduce the usage of fossil fuels.

_____

(1 *mark*)

3 The following shows the results of a survey carried out by a group of pupils while visiting a Petroleum Refinery Centre.

Year	Quantity of petroleum reserves (ton)
2014	50 000
2016	45 000
2018	40 000

Table 1

(a) What is the aim of this investigation?

_____

(1 *mark*)

(b) State **two** information that can be obtained based on Table 1.

1 _____

2 _____

(2 *mark*)

(c) State **one** observation that can be made based on Table 1.

_____

_____

(1 *mark*)

(d) What hypothesis can be made for this investigation?

_____

_____

(1 *mark*)

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