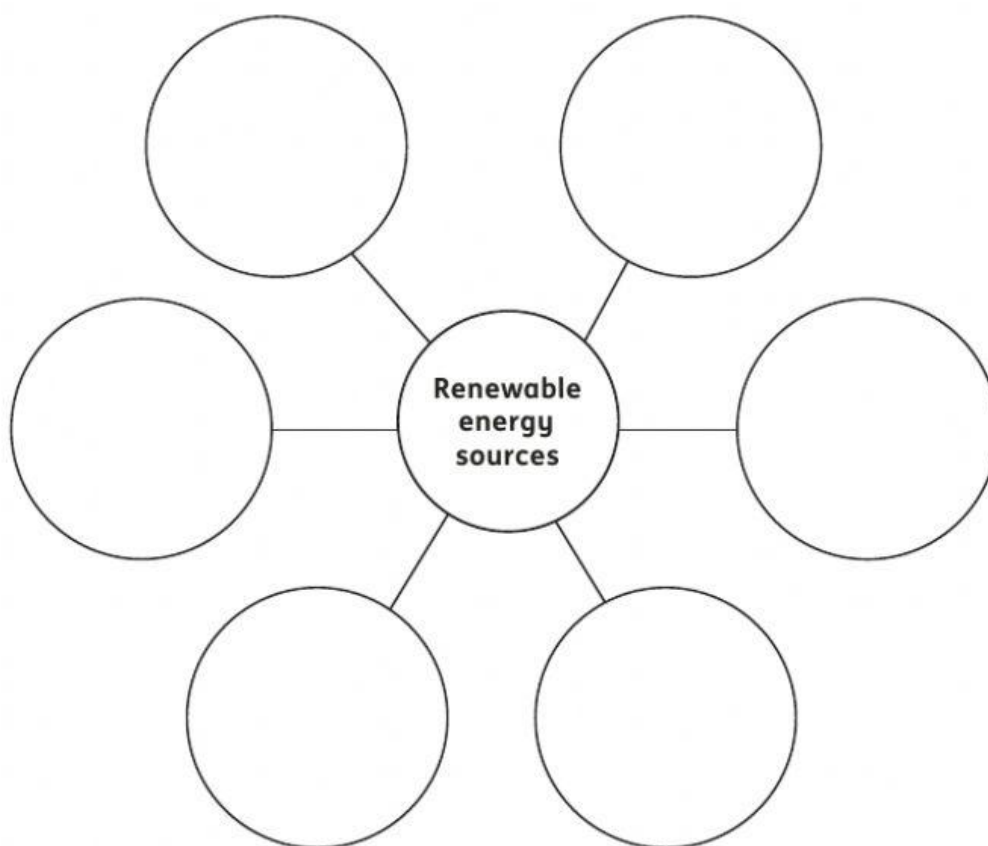


7.2 Renewable and Non-renewable Energy Resources

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



(6 marks)

PART B

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.

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

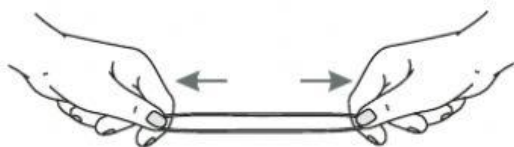
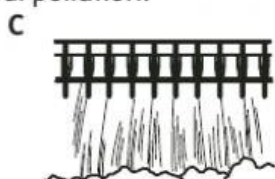
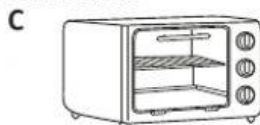


Diagram 2

- A Chemical energy
B Sound energy
C Potential energy
D Heat energy
- 4 Which of the following sources of energy results in environmental pollution?



- 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?



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

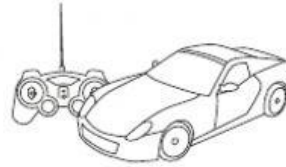
- A W and X
B W, X and Z
C Y and Z
D X, Y and Z
- 8 Malaysia is actively working on renewable energy resources. Why is this effort important?
A Consumers can use energy without limits.
B Consumers can save fossil fuel resources and reduce environmental pollution.
C A lot of energy can be obtained and 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

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: _____

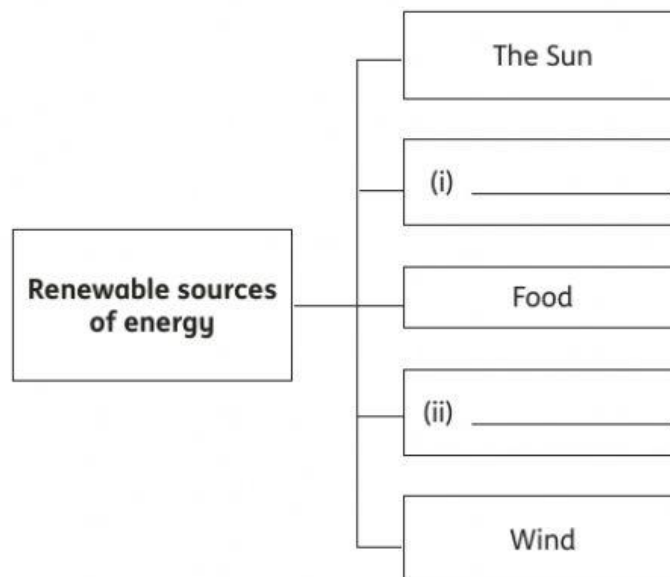
(2 marks)

(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)

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



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 I

(a) What is the aim of this investigation?

(1 mark)

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

1

2

(2 mark)

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

(1 mark)

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

(1 mark)