



Name _____ Class _____ Roll no. _____ Date _____ Marks _____ / 23

1 Key words**[3.5]**

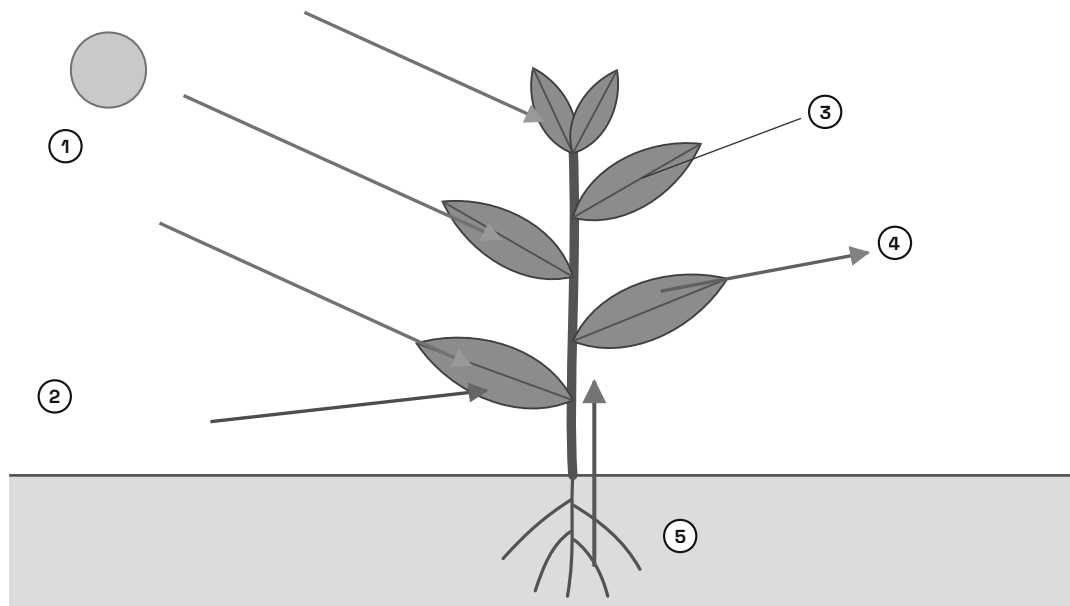
Fill in the blanks with words from the box. One word in the box is not needed. Each blank carries 0.5 mark.

chlorophyll electricity environment food fossil fuels hibernation minerals
renewable

All the living and non-living things of a place, together, make its _____. The green coloring in leaves that catches sunlight is called _____. A green plant makes its own _____ in its leaves. Frogs, snakes and lizards rest through the winter. This long winter rest is called _____. Sources of energy that come back again and again are called _____ sources. Coal, kerosene, diesel and petrol are _____. A solar panel turns sunlight into _____.

2 Label the diagram**[2.5]**

The diagram shows how a green leaf makes its food. Write the labels numbered 1 to 5. Each carries 0.5 mark.



1. _____

2. _____

3. _____

4. _____

5. _____



[5]

Choose the correct option for each of the following questions.

- i. Which of these is the main source of heat? [1]
 - a. fire
 - b. gas
 - c. an electric lamp
 - d. the Sun
- ii. To make food, a plant needs water from its roots. What else does it need? [1]
 - a. light, chlorophyll and oxygen
 - b. heat, chlorophyll and carbon dioxide
 - c. light, chlorophyll and carbon dioxide
 - d. carbon dioxide, chlorophyll and oxygen
- iii. What is the main reason plants don't grow well in winter? [1]
 - a. not enough light
 - b. not enough heat
 - c. not enough water
 - d. not enough air
- iv. Which of these sources of energy makes the air most polluted? [1]
 - a. diesel
 - b. hydropower
 - c. the Sun
 - d. biogas
- v. Which of these is a good way to stop wasting energy? [1]
 - a. using pots on an old-style stove
 - b. using less electricity than you need
 - c. using a pressure cooker on an improved stove
 - d. using very bright, high-wattage lamps for light

[4]

Write ✓ if the sentence is correct and X if it is wrong. Each carries 1 mark.

- i. A hen needs light to hatch chicks from her eggs. (_____)
- ii. Plants found in the Himalaya have needle-shaped leaves. (_____)
- iii. Electric vehicles cause pollution. (_____)
- iv. There is plenty of coal in nature. (_____)

[2]

Write very short answers to the following questions.

- a. What color does a plant turn when it gets no sunlight? [1]
-
-
-
- b. Name one renewable source of energy. [1]
-
-
-



6 Short answers

[4]

Write short answers to the following questions.

- a. "Biogas is better than firewood as a source of heat." Give any two reasons.

[2]

- b. Write any two ways to save energy that you have used or seen at home or in your community.

[2]

7 Think

[2]

Think, then answer.

Only clear plastic is used to make a tunnel for growing vegetables. What would happen to the plants under black plastic? Why?

8 Activity: A box in the sun

(not marked)

Measure the temperature inside and outside a small clear box. Put the box in the sun for about half an hour, then measure again. Use a room thermometer.

The box	Temperature outside the box	Temperature inside the box
before it is put in the sun		
after half an hour in the sun		

What did you find? How is the box like a plastic tunnel?

