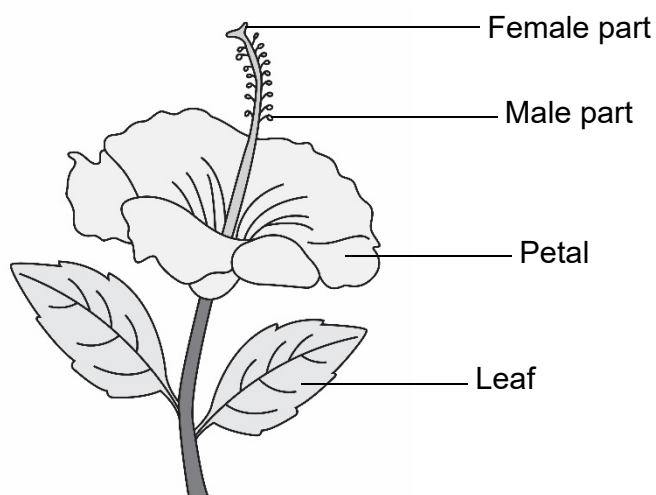


**Question 1 (10 Marks)**

Circle the correct answer. Each item carries one mark.

- (a) **Diagram 1** shows a flower.

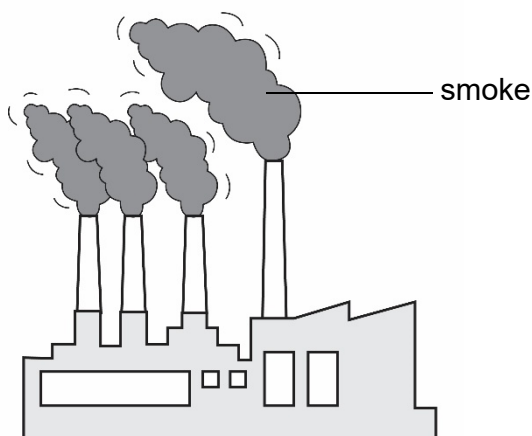


**Diagram 1**

Which part **contains** the pollen?

- |                      |                    |
|----------------------|--------------------|
| <b>A</b> Female part | <b>B</b> Male part |
| <b>C</b> Leaf        | <b>D</b> Petal     |
- (b) The **root** of which plant can be eaten as food?
- |                    |                  |
|--------------------|------------------|
| <b>A</b> Carrot    | <b>B</b> Papaya  |
| <b>C</b> Sugarcane | <b>D</b> Vetiver |
- (c) Which one of the following is an **amphibian**?
- |                |                 |
|----------------|-----------------|
| <b>A</b> Dog   | <b>B</b> Frog   |
| <b>C</b> Snake | <b>D</b> Spider |

- (d) **Diagram 2** shows a factory releasing smoke.



**Diagram 2**

Which type of pollution is shown in **Diagram 2**?

- |          |                 |          |                 |
|----------|-----------------|----------|-----------------|
| <b>A</b> | Air pollution   | <b>B</b> | Land pollution  |
| <b>C</b> | Noise pollution | <b>D</b> | Water pollution |
- (e) Which one of the following birds is **endemic** to Rodrigues?
- A** Pigeon
- B** Echo Parakeet
- C** Cardinal Jaune
- D** Sparrow
- (f) Which one of the following wastes can be turned into **compost**?
- A** Used cells
- B** Tin cans
- C** Plastic bottles
- D** Dried leaves

(g) Which one of the following is a **non-renewable** source of energy?

- A** Bagasse
- B** Coal
- C** Sun
- D** Tides

(h) What does **one rotation** of the Earth on its axis cause?

- A** A month
- B** A year
- C** Summer and winter
- D** Day and night

(i) How many planets are there in the solar system?

- A** 2
- B** 4
- C** 6
- D** 8


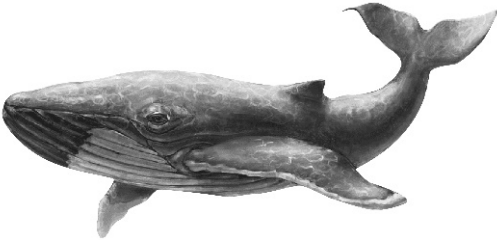


(j) Which one of the following will protect beaches from erosion?

- A** Cutting down filao trees
- B** Building gabions
- C** Removing sand
- D** Removing mangroves

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**Question 2 (8 Marks)**

(a) For each living thing shown below, choose the most appropriate habitat from the list given.

Pond	Trees	Sea	Rocks	Desert
 <b>Cactus</b>				<p>.....</p>
 <b>Whale</b>				<p>.....</p>
 <b>Water-Lily</b>				<p>.....</p>
 <b>Bird</b>				<p>.....</p>

[4]

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(b) Give two ways how a habitat is important to animals.

1. ....

2. .... [2]

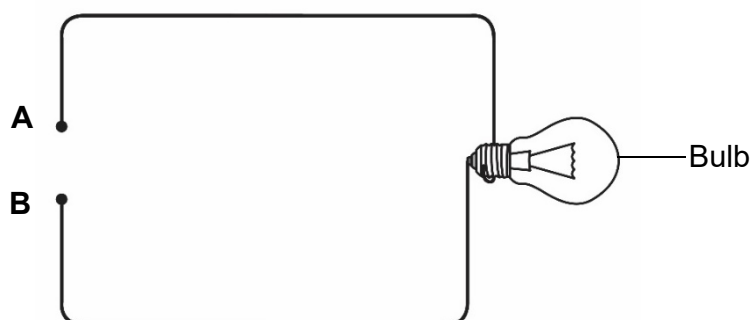
(c) Give two ways to protect the natural habitats of plants.

1. ....

2. .... [2]

### Question 3 (8 Marks)

**Diagram 3** shows an open circuit.



**Diagram 3**

(a) (i) Explain what is an open circuit.

..... [1]

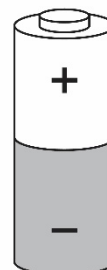
(ii) Name a component that opens and closes a circuit.

..... [1]

- (b) (i) Which object, if connected to **A** and **B**, will make the bulb light up? Tick (✓) the correct box.



Plastic ruler

☐


Cell

☐


Electrical wire

☐

[1]

- (ii) Explain your choice in (b)(i).

.....

..... [1]

- (c) **Diagram 4** shows an electrical wire.



**Diagram 4**

Which part of the electrical wire conducts electricity? Tick (✓) the correct box.

Part **P**

☐

Part **Q**

☐

[1]

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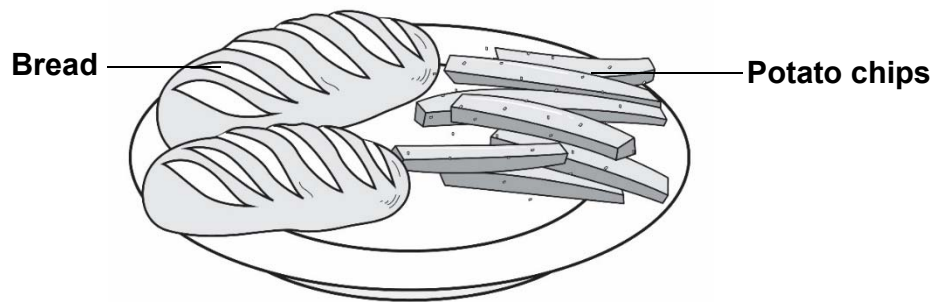
(d) Why is it dangerous to touch damaged electrical wires?  
 ..... [1]

(e) Give two safety measures to be taken when using electrical appliances.  
 1. ....  
 2. .... [2]

#### Question 4 (12 Marks)

(a) What is a balanced meal?  
 ..... [1]

(b) **Diagram 5** below shows Sara's lunch.



**Diagram 5**

(i) Name 2 food items that can be added to Sara's lunch to make it a balanced meal.  
 1. ....  
 2. .... [2]

(ii) Name the types of teeth that Sara uses to  
 1. bite the bread: .....  
 2. crush the food: ..... [2]

(c) Fill in the blanks with the correct words from the given list.

**older      younger      milk      permanent**

As children grow ....., their .....

teeth are replaced by ..... teeth. [3]

(d) (i) Give two differences between milk teeth and permanent teeth.

1. ....

2. .... [2]

(ii) Give two ways to keep your teeth healthy.

1. ....

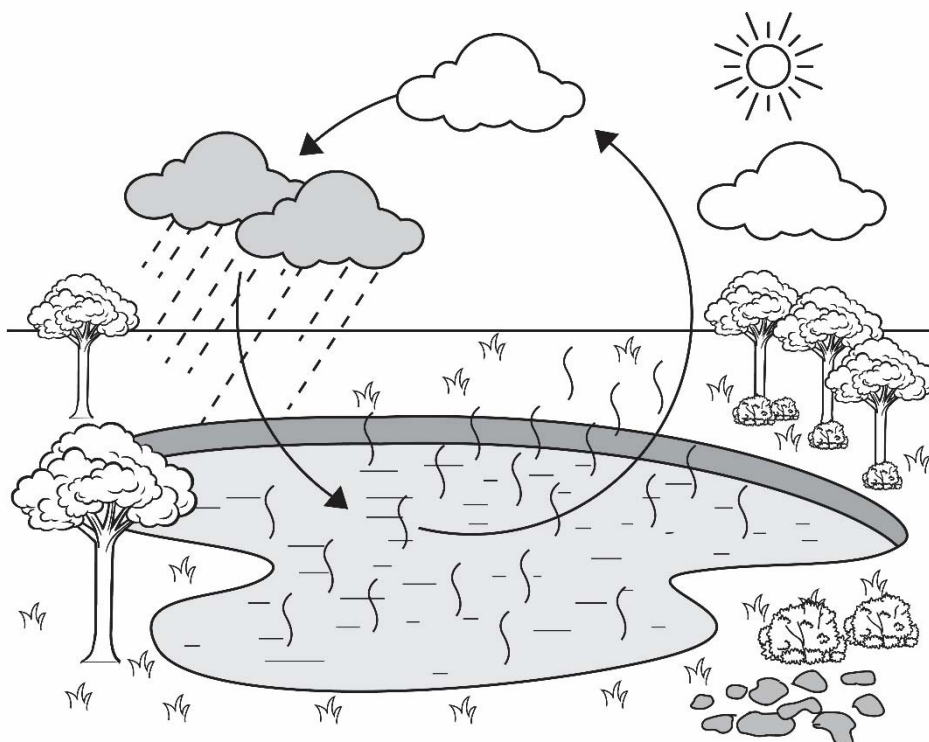
2. .... [2]

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**Question 5 (12 Marks)**

**Diagram 6** shows the water cycle.



**Diagram 6**

(a) Water evaporates to form water vapour.

(i) What is the **source** of energy that causes water to evaporate?

..... [1]

(ii) Evaporation is one process in the water cycle.  
Name two other processes in the water cycle.

1. ....

2. ....

[2]

(b) Fill in the blanks by choosing the appropriate word given in brackets.

(i) Ice is water in the ..... form.

**(liquid, solid)**

[1]

(ii) On warming, ice ..... to water.

**(melts, freezes)**

[1]

(c) (i) Give two uses of ice.

1. ....

2. ....

[2]

(ii) Give two properties of ice.

1. ....

2. ....

[2]

(d) Pouring water over fire is one way to extinguish it.

(i) Give another way to extinguish a fire.

..... [1]

(ii) Give two conditions necessary for burning to take place.

1. ....

2. ....

[2]

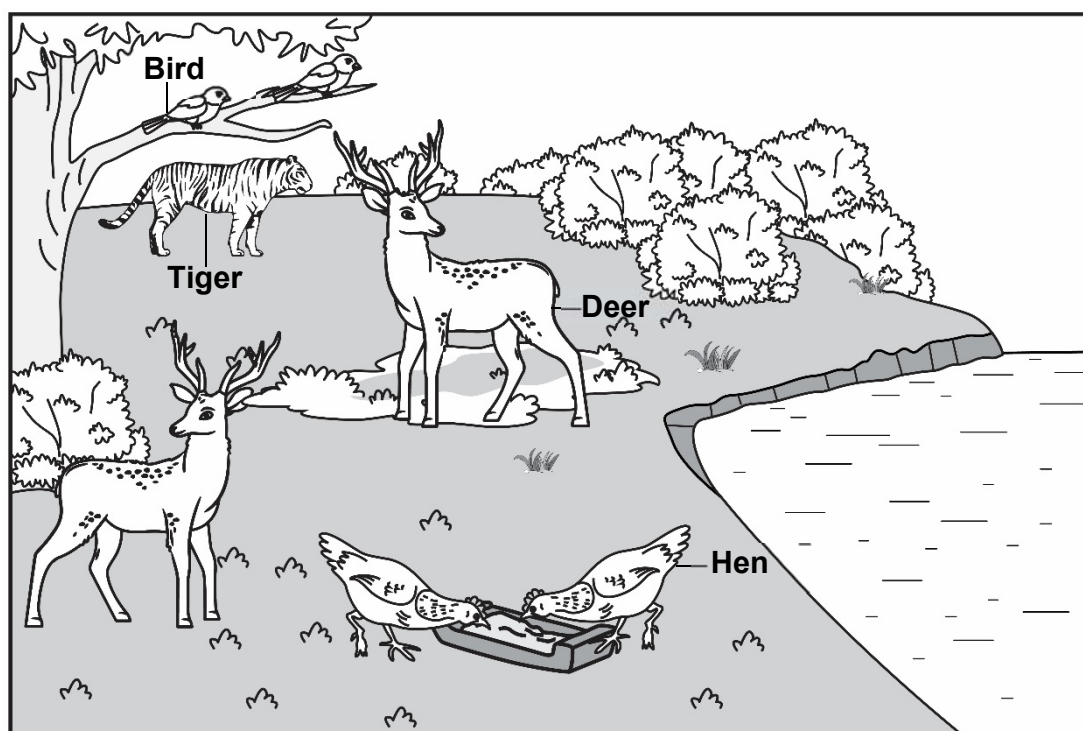
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**Question 6 (12 Marks)**

- (a) What is an ecosystem?

.....  
..... [1]

- (b) **Diagram 7** shows some animals in an ecosystem.



**Diagram 7**

- (i) From **Diagram 7** identify

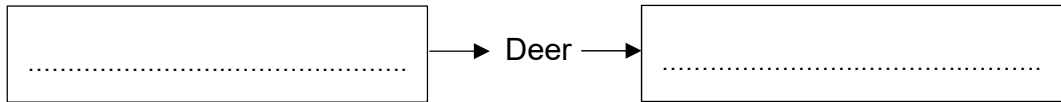
a herbivore: .....

a carnivore: .....

an omnivore: .....

[3]

- (ii) Fill in the boxes below to show how living things depend on other living things.



[2]

- (iii) Both the tiger and the deer are mammals.  
Give two characteristics of mammals.

1. ....

2. .... [2]

- (c) Name an animal that corresponds to each description given below.

Description	Animal
(i) Lives both on land and in water.	.....
(ii) Is a mammal which can fly.	.....
(iii) Eats insects that get stuck in its web.	.....
(iv) Has scales on its body and moves by crawling.	.....

[4]

**Question 7 (12 Marks)**

- (a) Two objects made of rubber are shown below.



**Car tyre**



**Gloves used  
by electricians**

- (i) Give one property of rubber that makes it a suitable material to make

1. Car tyres: .....

2. Gloves used by electricians: ..... [2]

- (ii) Rubber is obtained from the rubber tree.

Name another material that is obtained from plants and give a use for the material mentioned.

Material: .....

Use: ..... [2]

- (b) Name two man-made materials.

1. ....

2. ..... [2]

- (c) Name a material that is obtained from animals and give a use for the material mentioned.

Material: .....

Use: ..... [2]

- (d) Jaya places the objects below outside for a month.



**An iron nail**



**A plastic cup**

After a month, she observes a red brown layer on one of the objects.

- (i) On which object does she see the red brown layer?

..... [1]

- (ii) How is the red-brown substance called?

..... [1]

- (iii) Give two ways to prevent the red brown layer from forming.

1. ....


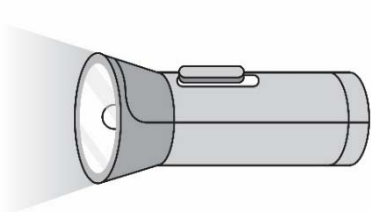
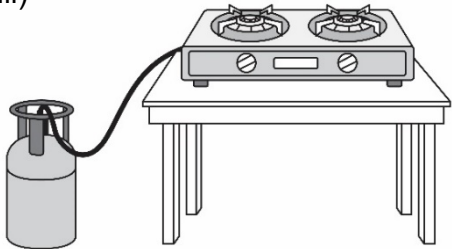
2. .... [2]

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**Question 8 (13 Marks)**

(a) Name the **source** of energy in each of the following.

**Source of energy**

<p>(i)</p>  <p><b>Sailing boat</b></p>	<p>.....</p>
<p>(ii)</p>  <p><b>Torch</b></p>	<p>.....</p>
<p>(iii)</p>  <p><b>Stove</b></p>	<p>.....</p>

[3]

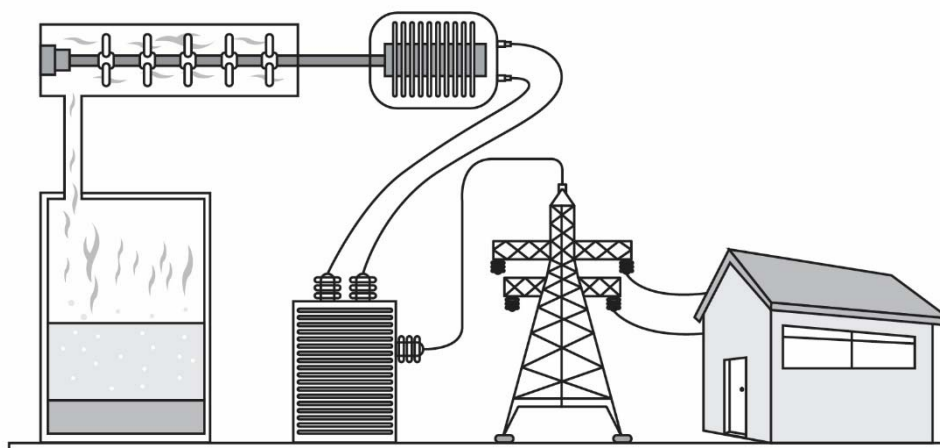
(b) (i) Which of the sources you mentioned in part (a) is a **renewable source** of energy?

..... [1]

(ii) Explain why.

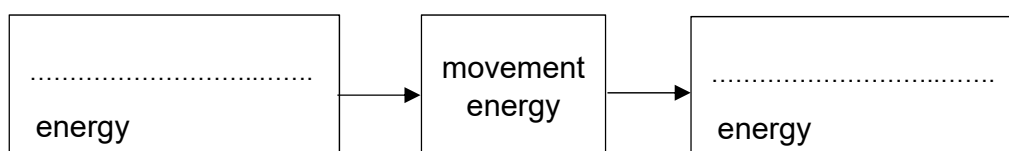
..... [1]

- (c) **Diagram 8** shows a thermal power station.



**Diagram 8**

- (i) Complete the energy transformation that takes place in a thermal power station.



[2]

- (ii) Name a fuel used in thermal power stations in Mauritius.

..... [1]

- (iii) Write down one advantage and one disadvantage of producing electricity using thermal power stations.

Advantage: .....

Disadvantage: ..... [2]

- (iv) Name another type of power station in Mauritius.

..... [1]

- (d) Give two ways to save energy at home.

1. ....

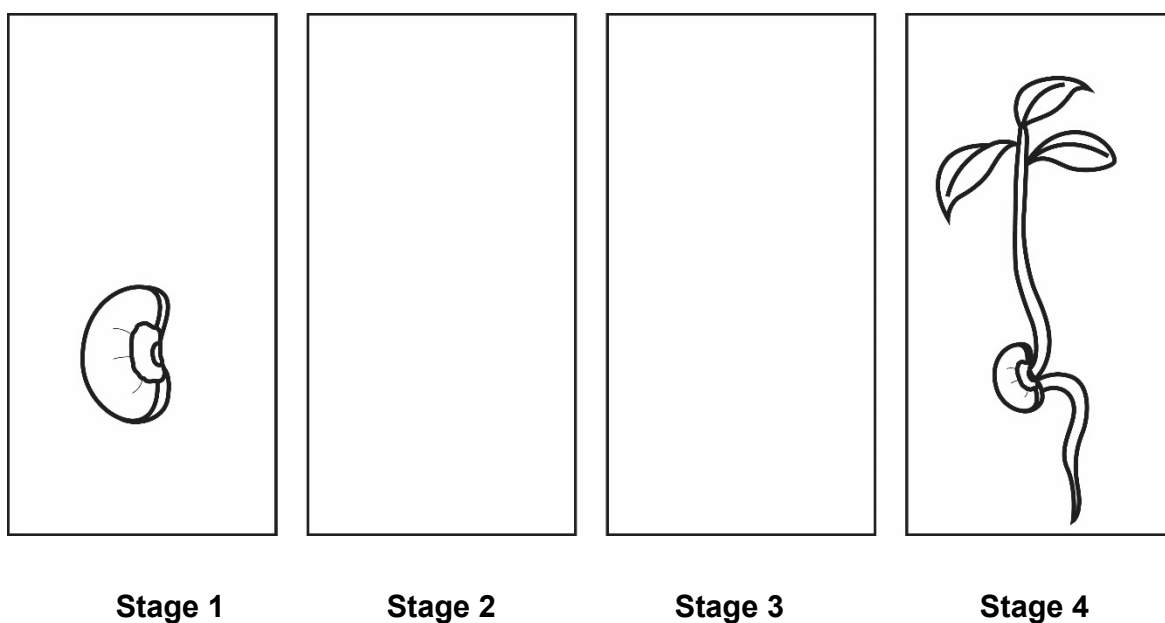
2. .... [2]

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### Question 9 (13 Marks)

**Diagram 9** shows the different stages in the germination of a seed.



**Diagram 9**

(a) (i) Complete **Diagram 9** by drawing Stage 2 and Stage 3. [3]

(ii) Give two **conditions** necessary for germination.

1. ....

2. .... [2]

(iii) Explain why the seed becomes smaller in Stage 4.

.....

..... [2]

(b) Photosynthesis is mainly carried out by the leaves.

(i) Describe photosynthesis.

.....

..... [2]

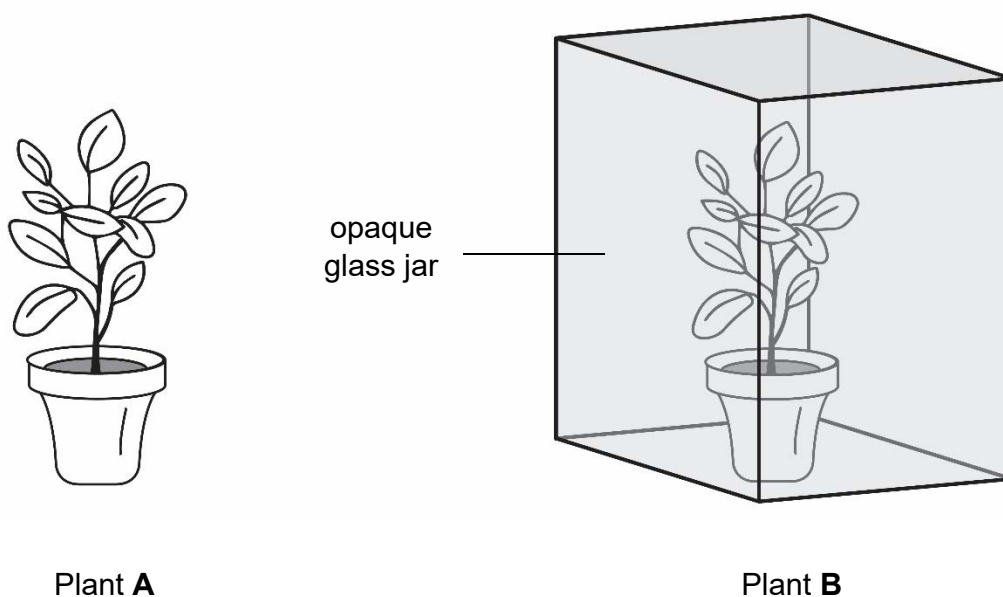
- (ii) Name the green substance needed for photosynthesis to take place.

..... [1]

- (c) An experiment is carried out using two similar potted plants, Plant **A** and Plant **B**, as shown in **Diagram 10**.

Plant **A** is left uncovered.

Plant **B** is placed in a **closed** and **opaque** glass jar.



**Diagram 10**

- (i) Why should the potted plants in this experiment be similar?

..... [1]

- (ii) Both plants are watered using the same amount of water.

After a week, Plant **A** has grown taller and Plant **B** has withered.  
Give two reasons why.

1. ....

2. .... [2]

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R
HG
QC
CE

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