

*Let the mind manage the body  
Que l'esprit gère le corps*

# SCIENCE

(Subject code No. P141/2)

## MAURITIUS EXAMINATIONS Primary School Achievement Certificate Assessment

**Grade 6 Modular**

**August 2023**

**Time: 1 hour**

**Total Marks: 50**

### INSTRUCTIONS TO CANDIDATES

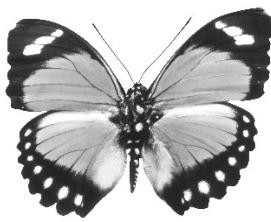
- Check that this assessment booklet contains **6** questions printed on **10** pages numbered 2, 3, 4, 5, 6, 7, 8, 9, 10 and 11.
- Write your Index Number on the assessment booklet in the space provided above.
- You should not use red, green or black ink in answering questions.
- Write all your answers clearly in the assessment booklet.
- Attempt all questions.

Question	Marking		Revision		Control	
	Marks	Sig	Marks	Sig	Marks	Sig
1						
2						
3						
4						
5						
6						
<b>Total</b>						
<b>Sig (HoG)</b>						

**QUESTION 1 (5 marks)**

**Circle the correct answer. Each item carries one mark.**

(a) Which one of the following is a reptile?



**A** Butterfly



**B** Crocodile



**C** Dolphin



**D** Fish

(b) How many milk teeth does a child have?

**A** 20

**B** 22

**C** 32

**D** 40

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

**A** Bagasse

**B** Falling water

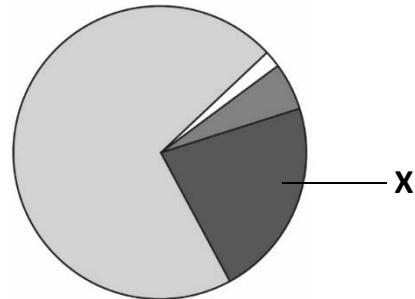
**C** Heavy oil

**D** Wind

- (d) **Diagram 1** is a pie chart. It shows the composition of gases in air.

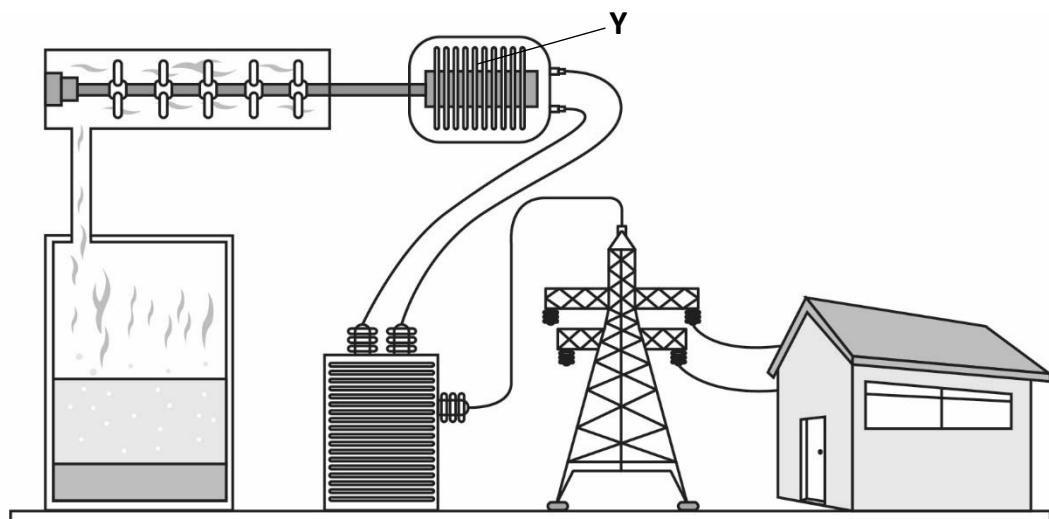
What is **Gas X**?

- A Carbon dioxide
- B Water vapour
- C Nitrogen
- D Oxygen



**Diagram 1:** Gases present in air

- (e) **Diagram 2** shows a thermal power station.



**Diagram 2:** Thermal power station

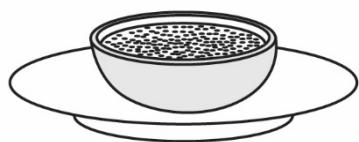
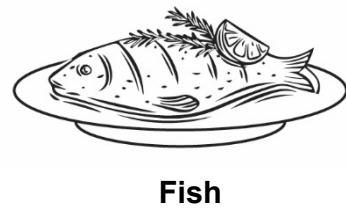
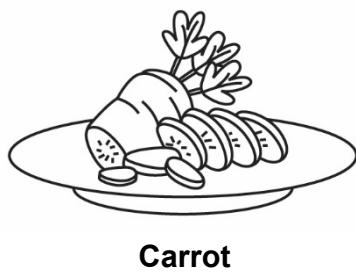
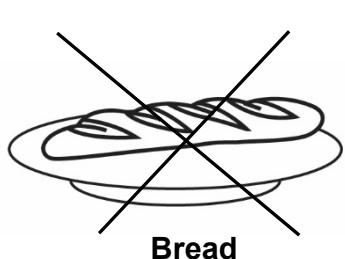
What is represented by the letter **Y** in **Diagram 2**?

- A Dam
- B Generator
- C Steam
- D Turbine

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**QUESTION 2 (9 marks)**

**Diagram 3** shows some food items.



**Diagram 3:** Food items

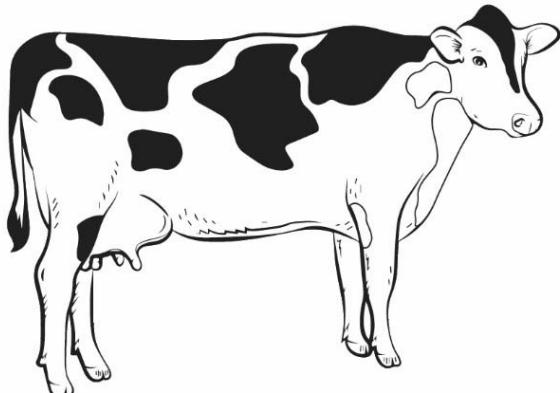
- (a) Classify the above food items into the correct food groups in the table below.

An example is given.

Food for energy	Food for growth	Food for health
<b>Bread</b>		

[4]

- (b) **Diagram 4** shows a cow.



**Diagram 4:** A cow

- (i) The cow eats grass by crushing it.

Which teeth does it use to crush its food?

.....

[1]

- (ii) Describe the teeth you have mentioned in (b) (i).

.....

[1]

- (iii) What type of animal is the cow?

Tick (✓) the correct box.

Herbivorous

Carnivorous

[1]

- (iv) The cow is a mammal.

Give two characteristics of mammals.

1. .....

2. .....

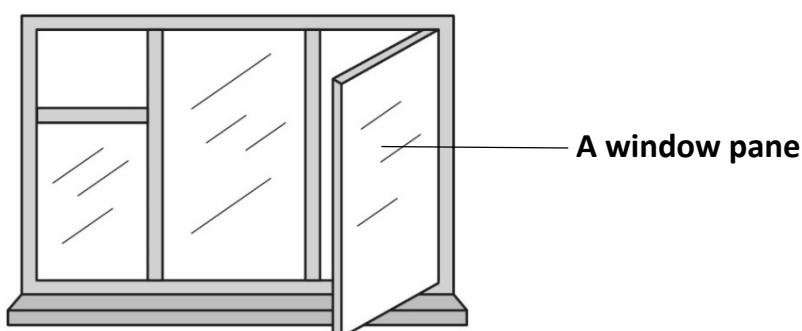
[2]

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**QUESTION 3 (9 marks)**(a) Match each material in **Column A** to its appropriate description in **Column B**.

<b>Column A</b>	<b>Column B</b>
Nylon	• is obtained from an animal.
Gold	• is light and used to make aeroplanes.
Cotton	• is obtained from a plant.
Aluminium	• is a precious metal used to make jewellery.
	• is a special type of plastic.

[4]

(b) **Diagram 5** shows window panes made of glass.**Diagram 5:** Window panes(i) Give two **properties** of glass that make it suitable for window panes.

1. ....

2. .... [2]

(ii) Give one **disadvantage** of glass.

..... [1]

(c) Iron rusts easily.

Give two ways how we can prevent iron from rusting.

1. ....

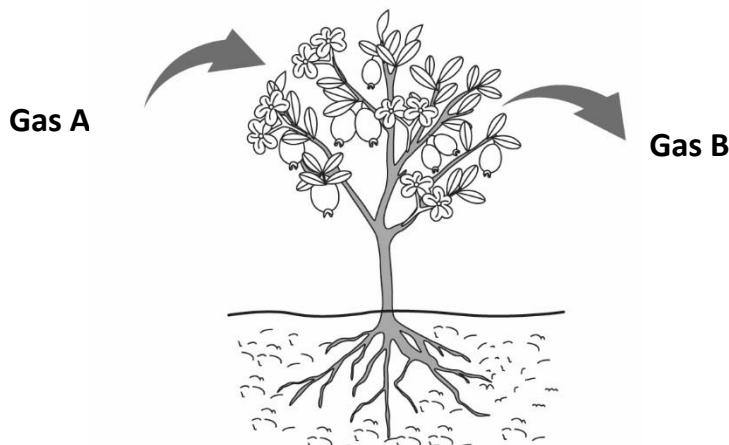
2. ....

[2]

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## QUESTION 4 (8 marks)

**Diagram 6** shows a plant. The plant makes its own food by the process of photosynthesis.



**Diagram 6:** A plant

- (a) The plant takes in **Gas A** and releases **Gas B** when making its food.

(i) Name

1. **Gas A:** ..... [1]

2. **Gas B:** ..... [1]

(ii) **Gas A** is required for photosynthesis.

Give two **other** conditions needed for photosynthesis to take place.

1. ..... [1]

2. ..... [1]

- (b) Give **two** ways in which plants are useful to people.

1. ..... [1]

2. ..... [1]

- (c) Plants also carry out respiration.

Give one difference between photosynthesis and respiration.

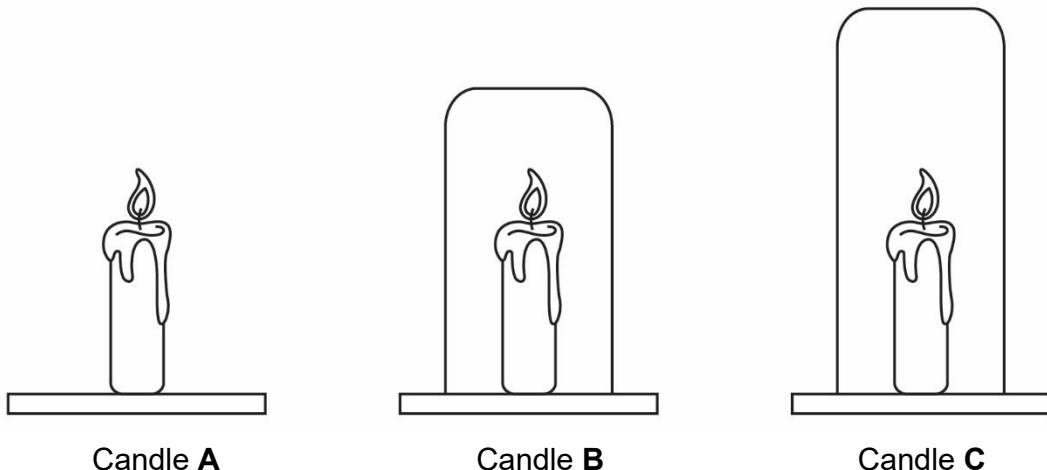
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**QUESTION 5 (9 marks)**

- (a) **Diagram 7** shows three similar burning candles **A**, **B** and **C**. Candle **B** and Candle **C** are covered with glass jars of different sizes. Candle **A** is left uncovered.

**Diagram 7:** Candles burning

- (i) Which gas is required for burning to take place?

.....

[1]

- (ii) Which candle will **extinguish** first?

Tick (**✓**) the correct box.

Candle A

Candle B

Candle C

[1]

- (iii) Give a reason for your answer in (a) (ii).

.....

[1]

- (b) **Diagram 8** shows an oil fire in a frying pan.



**Diagram 8:** Oil fire

- (i) Give one reason why water should not be poured over the oil fire.

.....

[1]

- (ii) Suggest one way to extinguish an oil fire in the kitchen.

.....

[1]

- (c) Air pollution is harmful to the environment.

- (i) What is air pollution?

.....

[1]

- (ii) Give one source of air pollution.

.....

[1]

- (iii) Describe how air pollution affects the growth of plants.

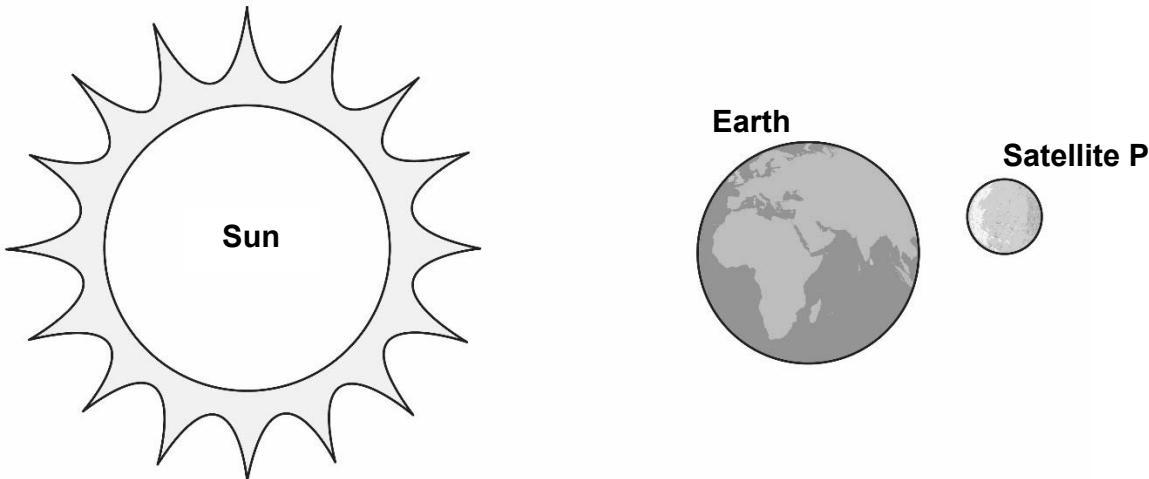
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**QUESTION 6 (10 marks)**

**Diagram 9** shows the sun, the earth and the earth's satellite, Satellite P.



**Diagram 9:** Sun, Earth and Satellite P

(a) Name Satellite P.

.....

[1]

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

.....

[1]

(ii) What causes day and night on planet Earth?

.....

[1]

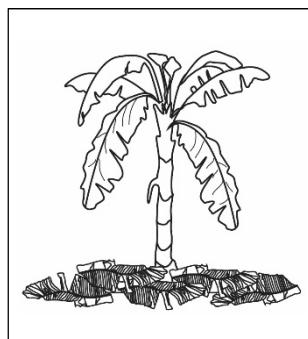
(c) Give two reasons why life exists on planet Earth.

1. ....

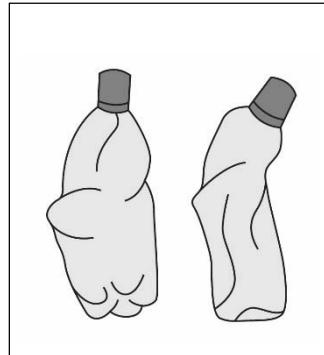
2. ....

[2]

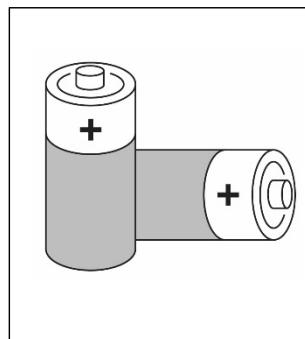
- (d) **Diagram 10** shows different types of waste.



waste from plants



used plastic bottles



used cells

**Diagram 10:** Different types of waste

- (i) From **Diagram 10**, which type of waste can be turned into compost?

.....

[1]

- (ii) What can be done with the used plastic bottles to turn them into useful objects?

.....

[1]

- (iii) Why should we not throw used cells in the environment?

.....

[1]

- (e) Burning of waste produces carbon dioxide.

Explain how a high level of carbon dioxide is harmful to the environment.

.....  
.....

[2]

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