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#### **INSTRUCTIONS TO CANDIDATES**

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- 1. Check that this assessment booklet contains 10 questions printed on 14 pages numbered 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 and 15.
- **2.** Write your Index Number on the assessment booklet in the space provided above.
- **3.** You should not use red, green or black ink in answering questions.
- **4.** Write all your answers clearly in the assessment booklet.
- **5.** Attempt all questions.

Ougation	Markir	ng	Revisi	on	Contro	I
Question	Marks	Sig	Marks	Sig	Marks	Sig
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
Total						
Sig (HoG)						

# Question 1 (5 marks)

### Circle the correct answer.

1.	Anir	mals that give birth to their young ones are known as
	Α	mammals
	В	fish
	С	reptiles
	D	birds
2.	Whi	ich one of the following food items is an example of <b>food for growth</b> ?
	Α	Bread
	В	Carrot
	С	Mango
	D	Fish
3.	A	is used to open or close an electric circuit.
	Α	bulb
	В	switch
	С	wire
	D	battery
4.	An e	example of a <b>balanced meal</b> is
	Α	rice, soya bean and fish
	В	bread, chicken and chips
	С	rice, chicken and carrots
	D	cabbage, pumpkin and egg

- 5. Which **one** of the following is a **safety** precaution when using electricity?
  - **A** Drying one's hair using an electric hair dryer in a wet bathroom.
  - **B** Connecting many power plugs to one socket.
  - **C** Turning off the electricity supply when working with electrical wires.
  - **D** Switching off all lights when leaving a room.

#### Question 2 (15 marks)

(a) Air is a mixture of gases. **Diagram 1** shows a pie chart representing the amount of different gases found in air.

Label the pie chart using the words from the given list.



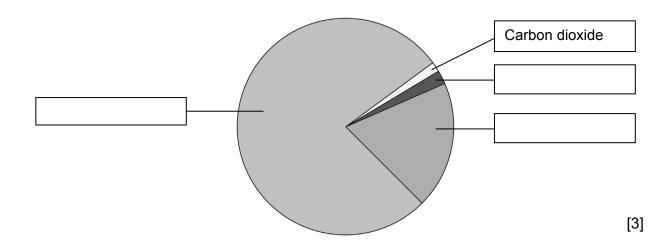


Diagram 1

(b) Animals can be classified according to their characteristics.

Fill in **Table 1** by classifying the following animals according to their body covering.

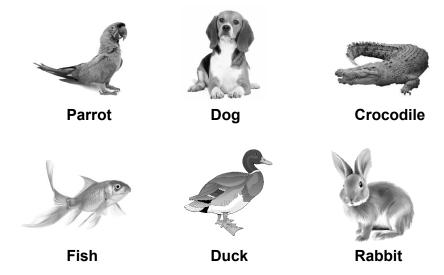


Table 1

Body covered with hairs	Body covered with feathers	Body covered with scales

[6]

(c) Animals can also be classified according to their eating habits.

Study and complete **Table 2** by using the appropriate word from the list below:

Granivorous Meat Tiger Grass Pig Herbivorous Omnivorous

Table 2

Animal	Food mostly eaten	Type of animal
	Vegetables, fruits and bugs	
		Carnivorous
Cow		

[6]

## Question 3 (8 marks)

Complete **Table 3** by writing the **main** energy transformation taking place in each picture.

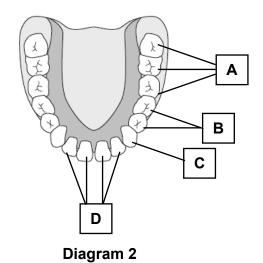
The first one has been done for you.

Table 3

Using an electric kettle to boil water	Electrical	——→ Heat
Using wood to cook		<b>——</b>
A loudspeaker playing music		
A running horse		
Using a solar powered calculator		

# Question 4 (10 marks)

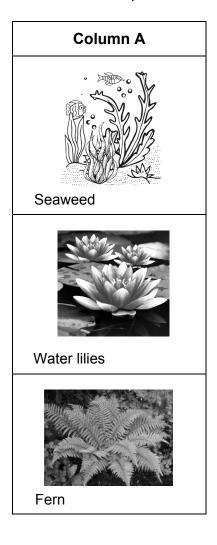
**Diagram 2** shows the teeth found in the lower jaw of a human being.

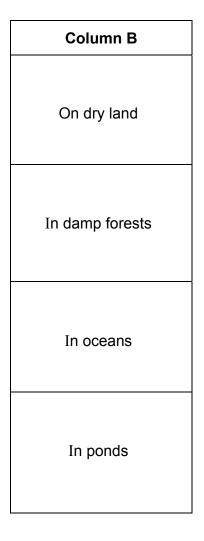


(/	Δ		
	Α		
	В		
	С		
	D		[4]
(b)	(i) Does <b>D</b> correct	iagram 2 show a set of milk teeth or permanent teeth? Tick ( ✓ ) the box.	
		milk teeth permanent teeth	[1]
	(ii) Explain	your answer to part (b)(i).	
			[1]
(c)	Which one	of the teeth shown in <b>Diagram 2</b> is <b>mostly</b> used	
	(i) to bite for	ood?:	
	(ii) to crush	food?:	[2]
(d)	Give <b>two</b> w	ays to keep our teeth healthy.	
	1		
	2		[2]

#### Question 5 (13 marks)

(a) Plants live in habitats which are best suited to them. Match each plant shown in **Column A** to the place where it **usually** grows in **Column B**.





[3]

- (b) It is important to protect our forests.
  - (i) Give one reason why.

.....[1]

(ii) Give **two** ways how we can protect our forests.

1. \_\_\_\_\_[1]

2. \_\_\_\_\_\_[1]

## (c) **Diagram 3** shows a cactus plant.

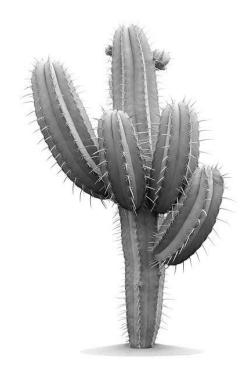


Diagram 3

(i)	Observe <b>Diagram 3</b> and write down <b>two</b> characteristics of this plant.	
	Characteristic 1:	[1]
	Characteristic 2:	[1]
(ii)	How does each characteristic mentioned in part (c)(i) help this plant to survive in natural habitat?	its
	Characteristic 1:	
		[2]
	Characteristic 2:	
		[2]
(iii)	Based on your observations, what is the <b>natural</b> habitat of this plant?	
		[1]

# Question 6 (8 marks)

(a) Alex places a jar over a lit candle as shown in **Diagram 4**.

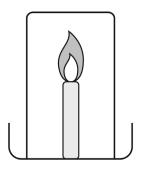
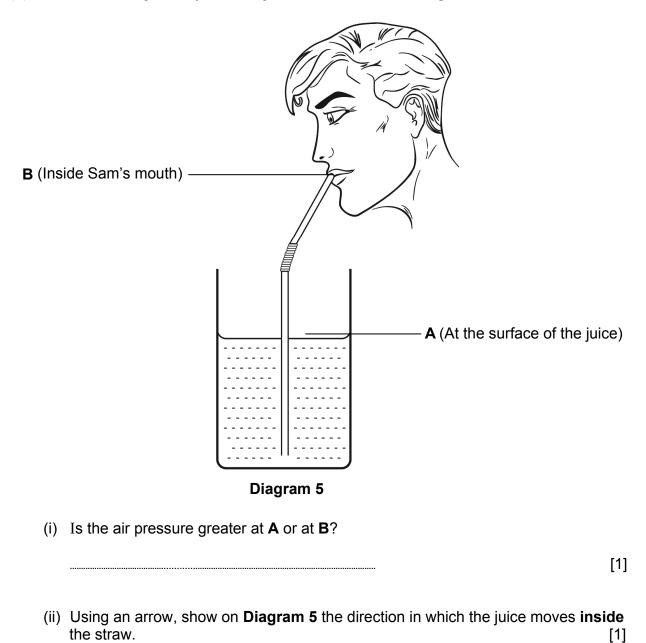


Diagram 4

(i)	How does the amount of oxyger inside the jar? Tick ( ✓ ) the cor		of carbon dioxide vary with	time
	Amount of oxygen:	increases		
		decreases		
		remains the same		[1]
	Amount of carbon dioxide:	increases		
		decreases		
		remains the same		[1]
(ii)	What happens to the flame after	some time?		
				[1]
(iii)	Explain your answer to part (a)(ii	).		
				[1]

(b) Sam is drinking some juice using a straw as shown in **Diagram 5**.

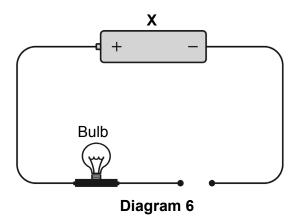


(iii) Why does the juice move in the direction indicated in part (b)(ii)?

## Question 7 (9 marks)

Eki sets up a circuit as shown in **Diagram 6**.

Study the circuit carefully and answer the questions that follow.



(a)(i)	Name componer					[1]
(ii)			<b>X</b> in an electric circu			
(b)	The circuit show	n in <b>Diagram 6</b> is	s an 'open' circuit. \	What is an 'open'		[1]
						[2]
(c)(i)	Suggest <b>one</b> thir	ig that you can do	o to close the circui	•		[4]
(ii)	How would you k	now that the circ	uit is now closed?			ניו
(d)	A material which		y to pass through it			[1]
						[1]
(e)	Choose <b>two</b> matthem. Circle you		st below that <b>do no</b>	t allow electricity	to pass throu	ıgh
	Iron	Plastic	Aluminium	Glass	Copper	

[2]

## Question 8 (13 marks)

**Diagram 7** shows a tomato plant.

Study **Diagram 7** carefully and answer the questions that follow.

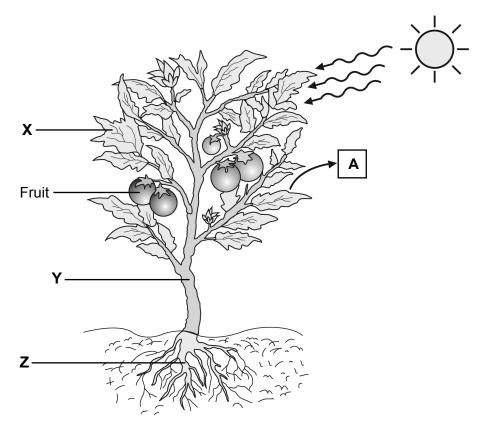


Diagram 7

(a) Name parts **X**, **Y** and **Z** of the tomato plant.

X	
.,	
Y	
7	

[3]

(b)	Name the process by which plants manufacture their food.	[1]			
(c)(i)	In which part of the tomato plant is food manufactured?	L'J			
(ii)	What does this part of the tomato plant contain that allows the plant to manufactits food?				
		. [1]			
(d)	Give <b>two</b> conditions that are necessary for the tomato plant to manufacture its food.				
	1	[1]			
	2	[1]			
(e)	Gas <b>A</b> is released in the atmosphere during the process of food manufacturing. Name gas <b>A</b> .				
		[1]			
(f)	Explain why we should avoid keeping plants in a <b>closed</b> bedroom at night, when we are sleeping there.				
		[2]			
(g)	Give <b>two</b> ways in which plants are useful to people.				
	1	[1]			
	2.	[1]			

# Question 9 (11 marks)

Study **Diagram 8** carefully and answer the questions that follow.

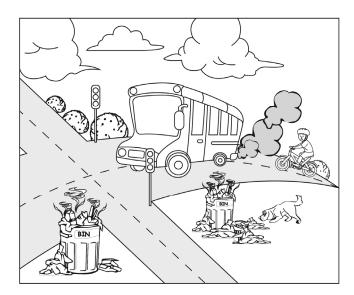


Diagram 8

(a)	Identify <b>two</b> sources of air pollution shown in <b>Diagram 8</b> .	
	Source 1:	[1]
	Source 2:	[1]
(b)	Give <b>one</b> way in which air pollution can be reduced from each source id part (a).	entified in
	Source 1:	
		[2]
	Source 2:	
		[2]
(c)	How does air pollution affect	
	(i) people?	
		[2]
	(ii) plants?	
		[2]
(d)	Give another source of air pollution <b>not</b> shown in <b>Diagram 8</b> .	
		[1]

#### Question 10 (8 marks)

Five friends are discussing what they would do to put out a fire in a pan containing oil.

Each friend makes a suggestion on how to put out the fire, as shown below.

For each suggestion, indicate whether the fire will be put out or not and explain why.

An example is given.



Example:								
		I would turn off the gas.	Reason: The source of to burning.	Fire is not put out  he fuel will keep				
(a)		I would blow air over the fire.	Reason:	Fire is not put out				
(b)		I would cover the pan with a metal lid.	Fire is put out	Fire is not put out				
(c)		I would throw water on the pan.	Fire is put out	Fire is not put out				
(d)		would throw sand in the pan.	Fire is put out  Reason:	Fire is not put out				

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