## AQAE

## Surname

Other Names

Centre Number
Candidate Number
Candidate Signature
I declare this is my own work.

## GCSE <br> COMBINED SCIENCE: SYNERGY

F
Foundation Tier
Paper 2 Life and Environmental Sciences

## 8465/2F

Wednesday 20 May 2020 Afternoon
Time allowed: 1 hour 45 minutes
At the top of the page, write your surname and other names, your centre number, your candidate number and add your signature.
[Turn over]


For this paper you must have:

- a ruler
- a protractor
- a scientific calculator
- the periodic table (enclosed)
- the Physics Equations Sheet (enclosed).


## INSTRUCTIONS

- Use black ink or black ball-point pen. Pencil should only be used for drawing.
- Answer ALL questions in the spaces provided. Do not write on blank pages.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this book. Cross through any work you do not want to be marked.
- In all calculations, show clearly how you work out your answer.


## INFORMATION

- The maximum mark for this paper is 100.
- The marks for questions are shown in brackets.
- You are expected to use a calculator where appropriate.
- You are reminded of the need for good English and clear presentation in your answers.

DO NOT TURN OVER UNTIL TOLD TO DO SO

| 0 | 1 |
| :--- | :--- | This question is about gases in the atmosphere.

TABLE 1 shows the percentage of gases in Earth's early atmosphere and in Earth's atmosphere today.

## TABLE 1

| Gas | Estimated <br> percentage (\%) <br> in Earth's early <br> atmosphere | Percentage (\%) <br> in Earth's <br> atmosphere <br> today |
| :--- | :--- | :--- |
| Carbon dioxide | 95.0 | 0.04 |
| Nitrogen | 3.5 | 78.08 |
| Oxygen | 0.5 | 20.95 |
| Other gases | $X$ | 0.93 |


\section*{| 0 | 1 | 1 |
| :--- | :--- | :--- | Which gas has the largest percentage in Earth's atmosphere today? [1 mark]}

Tick ( $\checkmark$ ) ONE box.


Carbon dioxide


Nitrogen


Oxygen

\section*{| 0 | 1.2 | What is value X in TABLE 1? [1 mark] |
| :--- | :--- | :--- |}

Tick ( $\checkmark$ ) ONE box.

0.5\%

1.0\%

1.5\%

[Turn over]

## REPEAT OF TABLE 1

| Gas | Estimated <br> percentage (\%) <br> in Earth's early <br> atmosphere | Percentage (\%) <br> in Earth's <br> atmosphere <br> today |
| :--- | :--- | :--- |
| Carbon dioxide | 95.0 | 0.04 |
| Nitrogen | 3.5 | 78.08 |
| Oxygen | 0.5 | 20.95 |
| Other gases | X | 0.93 |


| 0 | 1. | 3 |
| :--- | :--- | :--- | early atmosphere and Earth's atmosphere today.

Use TABLE 1. [3 marks]
1
$\qquad$
$\qquad$
$\qquad$
$\qquad$
3 $\qquad$

| 0 | 1 | .4 |
| :--- | :--- | :--- | What released the gases into Earth's early atmosphere? [1 mark]

Tick $(\checkmark)$ ONE box.


Fossil fuels


Sedimentary rocks


Volcanoes
[Turn over]


One of the other gases in Earth's atmosphere today is water vapour.

\section*{| 0 | 1 | 5 |
| :--- | :--- | :--- | Water can exist in three different states of matter.}

FIGURE 1 shows the different states of water.

FIGURE 1


Name processes A and B. [2 marks]
A $\qquad$

B $\qquad$

Water vapour precipitates as rain.

# <div class="inline-tabular"><table id="tabular" data-type="subtable">
<tbody>
<tr style="border-top: none !important; border-bottom: none !important;">
<td style="text-align: left; border-left-style: solid !important; border-left-width: 1px !important; border-right-style: solid !important; border-right-width: 1px !important; border-bottom-style: solid !important; border-bottom-width: 1px !important; border-top-style: solid !important; border-top-width: 1px !important; width: auto; vertical-align: middle; ">0</td>
<td style="text-align: left; border-right-style: solid !important; border-right-width: 1px !important; border-bottom-style: solid !important; border-bottom-width: 1px !important; border-top-style: solid !important; border-top-width: 1px !important; width: auto; vertical-align: middle; ">1</td>
<td style="text-align: left; border-bottom-style: solid !important; border-bottom-width: 1px !important; border-top-style: solid !important; border-top-width: 1px !important; width: auto; vertical-align: middle; ">6</td>
</tr>
</tbody>
</table>
<table-markdown style="display: none">| 0 | 1 | 6 |
| :--- | :--- | :--- |</table-markdown></div> water from the atmosphere. 

Do NOT refer to rain in your answer. [1 mark]
$\qquad$
$\qquad$
[Turn over]

FIGURE 2 shows the rainfall from March to September in the UK.

FIGURE 2


\section*{| 0 | 1. | 7 What was the rainfall in the month of April? |
| :--- | :--- | :--- | [1 mark]}

Rainfall $=$ $\qquad$ mm

| 0 | 1.8 | Describe the pattern in rainfall between March |
| :--- | :--- | :--- | and September.

Include data from FIGURE 2 in your answer. [2 marks]

## [Turn over]

| 0 | 2 |
| :--- | :--- | :--- | FIGURE 3 shows a food chain.

FIGURE 3
Algae $\longrightarrow$ Crab $\longrightarrow$ Loggerhead turtle $\longrightarrow$ Shark

| 0 | 2 | 1 |
| :--- | :--- | :--- |
| 1 | Draw ONE line from each description to the |  | organism in the food chain. [3 marks]

Description
Organism in the food chain

Algae
Primary consumer

## Shark

| Tertiary <br> consumer |
| :--- |

Loggerhead turtle

## $0 \mid 2$. 2 Which word describes the total number of crabs in this habitat? [1 mark]

Tick ( $\checkmark$ ) ONE box.


Population


Predator


## Species

02 . 3 Explain what will happen to the number of loggerhead turtles if there are fewer crabs. Use information from FIGURE 3. [2 marks]
[Turn over]

\section*{| 0 | 2. | 4 |
| :--- | :--- | :--- |${ }^{4}$ What type of factor is a new predator? [1 mark]}

Tick ( $\checkmark$ ) ONE box.


Abiotic


Biotic


Control

## BLANK PAGE

[Turn over]

Female loggerhead turtles lay their eggs on sandy beaches.

| 0 | 2 | 5 |
| :--- | :--- | :--- |
| 5 | Scientists recorded data about turtles on one |  | beach.

FIGURE 4, on the opposite page, shows:

- the number of eggs each turtle laid
- the length of the turtle that laid the eggs.

Describe the trend in the data on FIGURE 4. [1 mark]

## FIGURE 4

Number
of eggs
laid


Length of the turtle that laid the eggs in $\mathbf{c m}$
[Turn over]

## BLANK PAGE

02 . 6 Female loggerhead turtles return to the same beach each year to lay their eggs.

Global warming is causing the sea level to rise.

Explain the effect that sea levels rising might have on the number of loggerhead turtles.
[2 marks]
[Turn over]

Greenhouse gases are one cause of global warming.

| 0 | 2 | 7 |
| :--- | :--- | :--- |

The concentration of methane in the atmosphere was:

- 720 arbitrary units in 1840
- 1872 arbitrary units in 2018.

How many times greater was the concentration of methane in the atmosphere in 2018 than in 1840? [1 mark]

Number of times greater $=$

\section*{| 0 | 2 | 8 Which TWO human activities cause an |
| :--- | :--- | :--- | increase in greenhouse gases in the atmosphere? [2 marks]}

Tick ( $\checkmark$ ) TWO boxes.


Burning wood on a fire


Planting trees in new areas


Switching off lights in the home


Travelling by aeroplane


Using wind turbines to generate electricity

## [Turn over]

| 0 | 3 | Diabetes is a condition where the |
| :--- | :--- | :--- | concentration of sugar in the blood can become too high.


| 0 | 3 | 1 |
| :--- | :--- | :--- | Which chemical decreases the concentration of sugar in the blood? [1 mark]

Tick $(\checkmark)$ ONE box.


Glucose


Glycogen


Insulin

\section*{| 0 | 3 | .2 |
| :--- | :--- | :--- | Which organ monitors and controls the concentration of sugar in the blood? [1 mark]}

Tick $(\checkmark)$ ONE box.


Kidney


Pancreas


Stomach
[Turn over]

A company produces two breakfast cereals.
In a 30 g serving:

- cereal A contains 11 g of sugar
- cereal B contains 25\% less sugar than cereal A.

| 0 | 3 | 3 |
| :--- | :--- | :--- |

$25 \%$ of $11 \mathrm{~g}=$ g

\section*{| 0 | 3. | Calculate the mass of sugar in a $\mathbf{3 0} \mathbf{g}$ serving |
| :--- | :--- | :--- | of cereal B.}

Use your answer from Question 03.3.
[1 mark]
$\qquad$
$\qquad$

Mass of sugar = g

| 0 | 3 | 5 |
| :--- | :--- | :--- |
| 5 |  |  | Decreasing sugar in the diet can help prevent Type 2 diabetes.

Give ONE other health benefit of eating less sugar. [1 mark]
[Turn over]

| 0 | 3 |
| :--- | :--- | .6 Taking regular exercise can improve health.

TABLE 2 shows how walking quickly or running may reduce the risk of developing different medical conditions.

The greater the percentage reduction in risk, the less chance there is of developing the medical condition.

## TABLE 2

| Medical condition | Percentage (\%) reduction in risk of <br> developing the medical condition |  |
| :--- | :--- | :--- |
|  | Walking quickly | Running |
| Coronary heart <br> disease | 9.3 | 4.5 |
| Diabetes | 12.3 | 12.1 |
| High cholesterol | 7.0 | 4.3 |

## 27

Compare the effects of walking quickly with the effects of running on the medical conditions given in TABLE 2. [4 marks]
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
[Turn over]

## BLANK PAGE



| 0 | 4 |
| :--- | :--- |$\quad$ This question is about breathing and respiration.


| 0 | 4 | 1 |
| :--- | :--- | :--- | respiration? [1 mark]

Tick ( $\checkmark$ ) ONE box.

glucose + oxygen $\longrightarrow$ carbon dioxide + water

oxygen + water $\longrightarrow$
carbon dioxide + glucose

$\underset{\text { carbon dioxide }+ \text { oxygen }}{\text { water }+ \text { glucose }}$
[Turn over]

FIGURE 5 shows part of the human breathing system.
FIGURE 5


\section*{| 0 | 4 | 2 |
| :--- | :--- | :--- |
| 2 |  |  |}

Choose answers from the list. [2 marks]

- alveoli
- arteries
- bronchi
- capillaries
- neurones

X

## Y

| 0 | 4 | .3 |
| :--- | :--- | :--- | exchange.

Give ONE adaptation of structure X. [1 mark]
[Turn over]

FIGURE 6 shows a person using a peak flow meter.

## FIGURE 6



Peak flow is how quickly air can be breathed out of the lungs.

TABLE 3 shows the peak flow of four students.
TABLE 3

| Student | Peak flow <br> in arbitrary units |
| :--- | :--- |
| A | 470 |
| B | 515 |
| C | 260 |
| D | 420 |

Asthma is a condition that causes the muscles in the walls of the airways to contract.

| 0 | 4 | .4 |
| :--- | :--- | :--- | What effect will the contracting muscles have on the size of the airways? [1 mark]

Tick ( $\checkmark$ ) ONE box.


Lengthen the airways


Narrow the airways


Stretch the airways


Widen the airways
[Turn over]

## REPEAT OF TABLE 3

| Student | Peak flow <br> in arbitrary units |
| :--- | :--- |
| A | 470 |
| B | 515 |
| C | 260 |
| D | 420 |


| 0 | 4 | .5 |
| :--- | :--- | :--- |${ }^{5}$ Which student in TABLE 3 is most likely to have asthma? [1 mark]

Tick $(\checkmark)$ ONE box.


A


B


C


D

| 0 | 4 | 6 |
| :--- | :--- | :--- | different peak flow.

Suggest TWO factors that may affect peak flow.

Do NOT refer to asthma in your answer.
[2 marks]
1 $\qquad$
$\qquad$

2
2
$\qquad$
[Turn over]

| 0 | 4 | 7 |
| :--- | :--- | :--- |
| 7 | A student measured her breathing rate before |  | exercise and after exercise.

TABLE 4 shows the results.
TABLE 4

|  | Breathing rate in <br> breaths per minute |
| :--- | :--- |
| Before exercise | 15 |
| After exercise | 41 |

Explain the effect of exercise on breathing rate. [2 marks]
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

| 0 | 5 |
| :--- | :--- | :--- |$\quad$ This question is about contraception.


| 0 | 5 | 1 |
| :--- | :--- | :--- | Draw ONE line from each method of contraception to how the method works. [3 marks]

Method of contraception

Condom

## IUD

(intrauterine device)

## Oral contraceptive pill

How the method works

Uses hormones to stop the egg maturing

Prevents sperm from reaching the egg

> Prevents the embryo from implanting

## Slows down the production of sperm

\section*{| 0 | 5.2 |
| :--- | :--- | Which method of contraception can protect against sexually transmitted diseases? [1 mark]}

Tick $(\checkmark)$ ONE box.


Condom


IUD


Oral contraceptive pill

| 0 | 5 | 3 |
| :--- | :--- | :--- | The oral contraceptive pill has to be taken every day to be effective.

Suggest ONE reason why a woman taking the oral contraceptive pill may become pregnant. [1 mark]
$\qquad$
$\qquad$

\section*{| 0 | 5. | 4 |
| :--- | :--- | :--- |
| Surgical sterilisation is another method of |  |  | contraception.}

Suggest ONE disadvantage of surgical sterilisation compared with taking the oral contraceptive pill. [1 mark]
$\qquad$
$\qquad$

| 0 | 5 | 5 |
| :--- | :--- | :--- |
| 5 |  |  | woman in a sexual relationship might choose NOT to use contraception.

Do NOT refer to surgical sterilisation in your answer. [2 marks]

1 $\qquad$
$\qquad$
$\qquad$
2 $\qquad$
[Turn over]

Four students investigated their reaction times. FIGURE 7 shows the equipment the students used.
FIGURE 7 (2)
This is the method used.

1. Place one foot on the pedal.
2. When the light turns on, press the pedal as quickly as possible.
3. Record the time shown on the datalogger.
4. Repeat steps 1 to 3 another three times.
5. Repeat steps 1 to 4 with each student.
[Turn over]
FIGURE 8 shows information about the coordination of the action in this investigation.
FIGURE 8

| Stimulus |
| :---: |
| $\mathbf{A}$ |

Tick $(\checkmark)$ ONE box.
Chemical
苛
Sound


What is coordinator B in FIGURE 8? [1 mark]
Tick ( $\checkmark$ ) ONE box.

Brain
Sensory neurone
What is the response C in FIGURE 8? [1 mark]
[06. 3
[Turn over]


TABLE 5 shows the results for each student.

## TABLE 5

| Student | Student <br> age in <br> years | Reaction time in seconds |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | Test 2 | Test 3 | Test 4 |  |
| A | 11 | 0.74 | 0.72 | 0.71 | 0.71 |
| B | 14 | 0.80 | 0.79 | 0.78 | 0.76 |
| C | 15 | 0.85 | 0.84 | 0.83 | 0.82 |
| D | 16 | 0.87 | 0.86 | 0.99 | 0.84 |


| 0 | 6.4 | Draw a ring around the anomalous result for |
| :--- | :--- | :--- | student D in TABLE 5. [1 mark]


| 0 | 6. | 5 |
| :--- | :--- | :--- | What should the students do with the anomalous result? [1 mark]

$\qquad$
$\qquad$


| 0 | 6 | 6 |
| :--- | :--- | :--- | Suggest what might cause an anomalous result in this reaction time investigation. [1 mark]


| 0 | 6. |
| :--- | :--- | :--- | Give TWO conclusions about reaction time from the results in TABLE 5. [2 marks]

1
$\qquad$
$\qquad$
2 $\qquad$
$\qquad$
$\qquad$
[Turn over]

\section*{| 0 | 6. | 8 |
| :--- | :--- | :--- | improved to produce valid results. [2 marks] <br> 1 <br> $\qquad$}

$\qquad$
$\qquad$
2 $\qquad$

| 0 | 7 | A plant shoot is made of several tissues. |
| :--- | :--- | :--- |


| 0 | 7 | .1 |
| :--- | :--- | :--- | What is a tissue? [1 mark]

Tick $(\checkmark)$ ONE box.


A group of organs with one function


Cells with a similar structure and function


The organ systems in an organism

| 0 | 7 | 2 |
| :--- | :--- | :--- | What is the name of the tissue at the growing tip of a plant shoot? [1 mark] Tick $(\checkmark)$ ONE box.



Meristem


Phloem


Xylem
[Turn over]


| 0 | 7. | 3 |
| :--- | :--- | :--- |
| Plant cells divide by mitosis so that the plant |  |  | can grow.

Give ONE other reason plant cells divide by mitosis.

Do NOT refer to growth in your answer. [1 mark]
$\qquad$
$\qquad$
$\qquad$

FIGURE 9 shows a cell cycle.
FIGURE 9


| 0 | 7.4 | Which TWO processes happen during cell |
| :--- | :--- | :--- | :--- | growth in the cell cycle? [2 marks]

Tick ( $\checkmark$ ) TWO boxes.


The chromosomes are copied


The chromosomes separate


The cytoplasm divides in two


The nucleus divides


The organelles increase in number
[Turn over]


## 0.7 . 5 In mitosis and meiosis cells divide to produce new cells.

Cell division by meiosis produces gametes.
FIGURE 10 shows a cell dividing by mitosis and a different cell dividing by meiosis.

FIGURE 10

Cell dividing by mitosis

Cell dividing by meiosis


Describe how the cells produced by mitosis are different from the cells produced by meiosis.

Use information from FIGURE 10. [3 marks]
[Turn over]

| 0 | 7.6 A scientist investigated cell division in the |
| :--- | :--- | :--- | growing tip of a plant shoot.

The scientist recorded data at different distances from the tip of the shoot.

TABLE 6 shows the results.

## TABLE 6

| Distance from <br> shoot tip in $\mathbf{m m}$ | Mean cell length <br> in $\boldsymbol{\mu m}$ | Percentage (\%) <br> of cells dividing |
| :--- | :--- | :--- |
| 5 | 22 | 13 |
| 10 | 23 | 9 |
| 20 | 39 | 4 |
| 30 | 77 | 0 |
| 40 | 116 | 0 |

Give TWO conclusions from the data in TABLE 6. [2 marks]

1 $\qquad$

2 $\qquad$
[Turn over]

| 0 | 8 | FIGURE 11 shows a transverse wave. |
| :--- | :--- | :--- |

FIGURE 11


0 8. 1 Which arrow shows the amplitude of the wave? [1 mark]

Tick ( $\checkmark$ ) ONE box.


Q


R


S


\section*{| 0 | 8 |
| :--- | :--- | 2 Which arrow shows the wavelength of the wave? [1 mark]}

Tick ( $\checkmark$ ) ONE box.


P


Q


R


S


T
[Turn over]


A teacher demonstrated waves on a string.
FIGURE 12 shows the apparatus used.

FIGURE 12


Masses

This is the method used.

1. Switch on the signal generator and vibration generator so the string vibrates up and down.
2. Move the wooden bridge until a clear wave pattern is formed between the wooden bridge and the vibration generator.
3. Use a metre rule to measure the length of the string between the wooden bridge and the vibration generator.
4. Record the frequency of the wave from the signal generator.
5. Record the number of loops in the wave pattern. The wave pattern shown in FIGURE 12 has one loop.
6. Change the frequency on the signal generator until a new wave pattern is formed.
7. Repeat steps 4 to 6.
[Turn over]

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| 0 | 8. | 3 |
| :--- | :--- | :--- | demonstration. [1 mark]


| 0 | 8.4 | The length of the string between the vibration |
| :--- | :--- | :--- | generator and the wooden bridge was about 1.5 m

The teacher used a metre rule to measure the length of the string.

Suggest TWO reasons why making an accurate measurement was difficult.
[2 marks]
1
$\qquad$
$\qquad$
2 $\qquad$
[Turn over]

TABLE 7 shows the results.

## TABLE 7

| Frequency in Hz | Wave pattern on 1.50 m string | Number of loops in wave pattern | Wavelength in m |
| :---: | :---: | :---: | :---: |
| 10 | $\xrightarrow{+}$ | 1 | 3.00 |
| 20 | ,... | 2 | 1.50 |
| 30 | - | 3 | 1.00 |
| 40 | $\cdots \times \cdots$ | 4 | 0.75 |
| 50 | $\cdots$ | 5 | X |


\section*{| 0 | 8 |
| :--- | :--- | :--- | . 5 Give ONE conclusion about frequency and wavelength from the data in TABLE 7. [1 mark]}


| 0 | 8 |
| :--- | :--- | :--- | Each loop of the wave pattern is the length of half a wavelength.

Determine wavelength $X$ in TABLE 7. [2 marks]
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Wavelength $\mathrm{X}=$ m
[Turn over]

| 0 | 8. | 7 |
| :--- | :--- | :--- |
| Calculate the period of the wave when the |  |  | frequency was 30 Hz

Give your answer to 2 significant figures.
Use the Physics Equations Sheet. [3 marks]
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Period (2 significant figures) $=$

| 0 | 9 | Plants absorb light to photosynthesise. |
| :--- | :--- | :--- |


| 0 | 9. | $\begin{array}{l}\text { Complete the word equation for } \\ \text { photosynthesis. [1 mark] }\end{array}$ |
| :--- | :--- | :--- |

+ water $\longrightarrow$
+ glucose


## [Turn over]

Light intensity affects the rate of photosynthesis.
FIGURE 13 shows some of the equipment used to measure the rate of photosynthesis.

FIGURE 13


| 0 | 9 | 2 |
| :--- | :--- | :--- | light intensity on the RATE of photosynthesis.

Use the equipment in FIGURE 13 and other laboratory equipment. [6 marks]
[Turn over]
$66$


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[Turn over]

Algal cells photosynthesise.
Scientists investigated the effect of light intensity on algal cells.

The algal cells were placed in different light intensities.
TABLE 8 shows the number of EXTRA algal cells after two days.

TABLE 8

| Light intensity <br> in lux | Number of EXTRA algal cells <br> after two days |
| :--- | :--- |
| 0 | no extra cells |
| 250 | $1.00 \times 10^{6}$ |
| 500 | $1.65 \times 10^{6}$ |
| 750 | $2.15 \times 10^{6}$ |
| 1000 | $2.40 \times 10^{6}$ |
| 1250 | $2.50 \times 10^{6}$ |
| 1500 | $2.50 \times 10^{6}$ |


| 0 | 9 | 3 The initial number of algal cells was 200000 |
| :--- | :--- | :--- |

Calculate the total number of algal cells after two days when the light intensity was 500 lux [2 marks]

## Total number of algal cells =

[Turn over]

| 0 | 9. | 4 Plot the data from TABLE 8 on FIGURE 14. |
| :--- | :--- | :--- |

The first two points have been plotted.
Draw a line of best fit on the opposite page. [3 marks]

## REPEAT OF TABLE 8

| Light intensity <br> in lux | Number of EXTRA algal <br> cells after two days |
| :---: | :--- |
| 0 | no extra cells |
| 250 | $1.00 \times 10^{6}$ |
| 500 | $1.65 \times 10^{6}$ |
| 750 | $2.15 \times 10^{6}$ |
| 1000 | $2.40 \times 10^{6}$ |
| 1250 | $2.50 \times 10^{6}$ |
| 1500 | $2.50 \times 10^{6}$ |

## FIGURE 14

Number of extra algal cells $\times 1^{6}$

[Turn over]

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0.9 . 5 Give TWO conclusions from the results.

Use information from TABLE 8, on page 70. [2 marks]

1

2
[Turn over]


| 0 | 9. | 6 |
| :--- | :--- | :--- | $20^{\circ} \mathrm{C}$ to $25^{\circ} \mathrm{C}$ would affect the number of algal cells. [2 marks]

END OF QUESTIONS

|  | Additional page, if required. <br> Write the question numbers in the left-hand margin. |
| :--- | :--- |
|  |  |
|  |  |
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|  |  |
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$\qquad$

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| For Examiner's Use |  |
| :---: | :---: |
| Question | Mark |
| 1 |  |
| 2 |  |
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| 7 |  |
| 8 |  |
| 9 |  |
| TOTAL |  |

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