Cambridge International Examinations
Cambridge International General Certificate of Secondary Education

BIOLOGY 0610/13

Paper 1 Multiple Choice May/June 2014

45 minutes

Additional Materials: Multiple Choice Answer Sheet
Soft clean eraser
Soft pencil (type B or HB is recommended)

READ THESE INSTRUCTIONS FIRST

Write in soft pencil.
Do not use staples, paper clips, glue or correction fluid.
Write your name, Centre number and candidate number on the Answer Sheet in the spaces provided unless this has been done for you.
DO NOT WRITE IN ANY BARCODES

There are forty questions on this paper. Answer all questions. For each question there are four possible answers A, B, C and D.
Choose the one you consider correct and record your choice in soft pencil on the separate Answer Sheet.

Read the instructions on the Answer Sheet very carefully.

Each correct answer will score one mark. A mark will not be deducted for a wrong answer.
Any rough working should be done in this booklet.
Electronic calculators may be used.

This syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.

This document consists of 15 printed pages and 1 blank page.


© UCLES 2014

1 Why does the energy needed by a human increase during the first ten years of life?

A Coordination and responses improve.

B Energy is needed for gamete formation.

C The body is growing.

D The diet is more balanced.

2 Which features do animal cells share with plant cells?

| | chloroplast | cytoplasm | nucleus |
|---|---|---|---|
| A | | | |
| B | | | |
| C | | | |
| D | | | |

3 Which feature is characteristic of both annelids and arthropods?

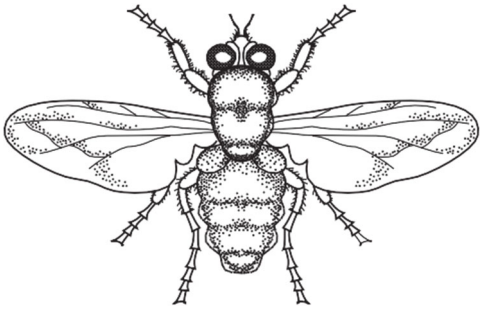
A compound eyes

B jointed limbs

C segmented bodies

D wings

4 The diagram shows an animal.

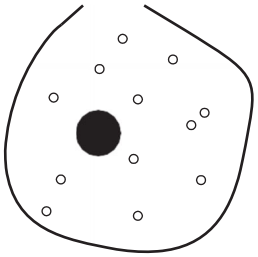


Use the key to identify the animal.

| | | |
|---|---|---|
| 1 | wings present ..... | go to 2 |
| | wings absent ..... | go to 3 |
| 2 | one pair of wings visible ..... | A |
| | two pairs of wings visible ..... | B |
| 3 | three pairs of legs ..... | C |
| | four pairs of legs ..... | D |

© UCLES 2014

5 The diagram shows a cell.



Which structure is not present?

A cell membrane

B cell wall

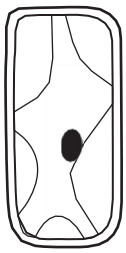
C cytoplasm

D nucleus

6 Which pair of statements about a plant cell is correct?

| | outer surface of the cell | position of sap vacuole |
|---|---|---|
| A | cell membrane | outside the cytoplasm |
| B | cell membrane | surrounded by the cytoplasm |
| C | cell wall | outside the cytoplasm |
| D | cell wall | surrounded by the cytoplasm |

7 The diagram shows a cell.



Which type of cell does the diagram show?

A an animal cell in a concentrated solution of salts

B an animal cell in pure water

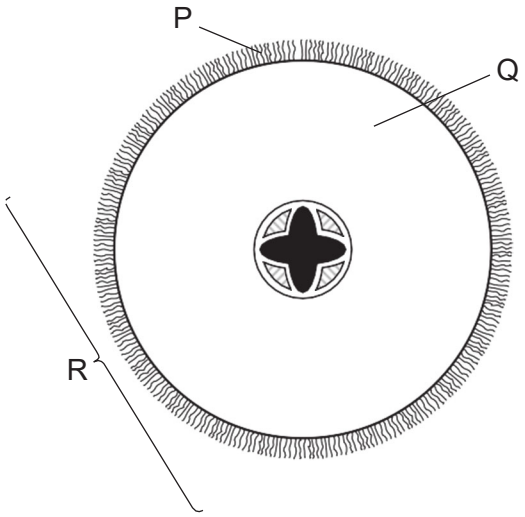
C a plant cell in a concentrated solution of salts

D a plant cell in pure water

© UCLES 2014

[Turn over

8 The diagram shows a section through a root.




What are the levels of organisation of the labelled structures?

| | cell | organ | tissue |
|---|---|---|---|
| A | P | Q | R |
| B | P | R | Q |
| C | Q | R | P |
| D | R | Q | P |

9 Two identical cylinders, 40 mm long, are cut from a potato. One (W) is placed in water and the other (X) is placed in a concentrated sugar solution.

What are the lengths of the cylinders after two hours?

| | length of cylinder / mm | |
|---|---|---|
| | W | X |
| A | 38 | 40 |
| B | 38 | 42 |
| C | 40 | 42 |
| D | 42 | 38 |

© UCLES 2014

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：https://d.book118.com/198037134000006023