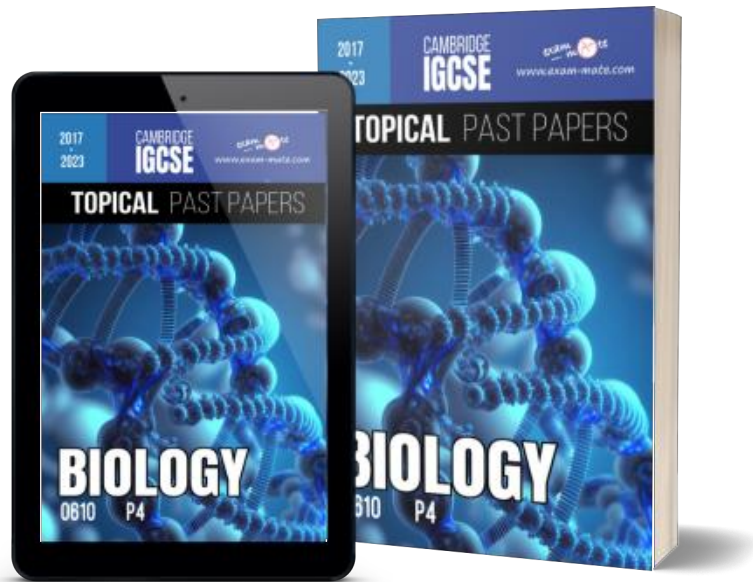


BIOLOGY

0610 | Paper 1

2017 — 2023

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BIOLOGY 0610

TOPICAL PAST PAPER WORKSHEETS

2017 - 2023 | Questions + Mark scheme

AVAILABLE PAPERS

P1	P2	P3	P4	P6
1383 Questions	1374 Questions	472. Questions	430 Questions	163 Questions

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TOPICS	P1	P2	P3	P4	P6
Characteristics & Classification of living organisms	95	68	34	30	9
Organization & Maintenance of the Organism	66	63	15	12	25
Movement in and out of Cells	63	56	10	9	12
Biological Molecules	31	43	9	11	41
Enzymes	40	51	10	13	16
Plant Nutrition	65	62	33	19	13
Human Nutrition	106	83	35	34	3
Transport in Plants	67	77	22	20	11
Transport in Animals	61	55	19	24	3
Diseases & Immunity	34	35	13	17	0
Gas Exchange in Humans	41	35	13	10	4
Respiration	57	62	20	14	8
Excretion in Humans	39	37	12	7	1
Co-Ordination & Response	104	113	31	31	3
Drugs	43	32	15	7	0
Reproduction	127	114	51	32	6
Inheritance	86	119	26	26	0
Variation & Selection	54	46	19	20	0
Organisms & Their Environment	104	88	35	39	5
Biotechnology & Genetic Engineering	43	75	17	26	3
Human Influences on Ecosystem	57	60	33	29	0

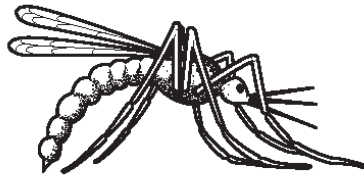
1 - (0610/11_Summer_2017_Q1) - *Characteristics And Classification Of Living Organisms*

Which characteristic do **all** living organisms show?

- A breathing
- B excretion
- C photosynthesis
- D tropism

2 - (0610/11_Summer_2017_Q3) - *Characteristics And Classification Of Living Organisms*

The diagram shows an animal.



What is the animal?

- 1 animal with a vertebral column vertebrate
- animal with an exoskeleton go to 2
- 2 no distinct head, thorax and abdomen **A**
- distinct head, thorax and abdomen go to 3
- 3 eye occupies less than one third of the head **B**
- eye occupies more than one third of the head go to 4
- 4 wings are wider than they are long **C**
- wings are longer than they are wide **D**

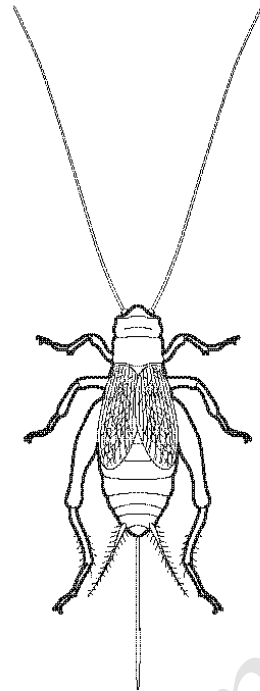
3 - (0610/12_Summer_2017_Q3) - *Characteristics And Classification Of Living Organisms*

What is a characteristic of both insects and arachnids?

- A eight legs
- B exoskeleton
- C three pairs of legs
- D wings

4 - (0610/13_Summer_2017_Q3) - Characteristics And Classification Of Living Organisms

The diagram shows an animal.



Use the key to identify the animal in the diagram.

- 1 has six jointed legs go to 2
has eight jointed legs go to 3
- 2 has antennae longer than its body **B** *Gryllus*
has antennae shorter than its body **C** *Musca*
- 3 has stripes on its legs **A** *Araneus*
has no stripes on its legs **D** *Pisaurina*

5 - (0610/11_Winter_2017_Q1) - Characteristics And Classification Of Living Organisms

Which process in plant cells uses chlorophyll?

- A** growth
B nutrition
C movement
D respiration

6 - (0610/12_Winter_2017_Q1) - *Characteristics And Classification Of Living Organisms*

Which process do living organisms use to remove excess carbon dioxide from their bodies?

- A excretion
- B movement
- C nutrition
- D respiration

7 - (0610/11_Winter_2017_Q2) - *Characteristics And Classification Of Living Organisms*

The table shows the scientific names of four members of the cat family.

common name	scientific name
leopard	<i>Panthera pardus</i>
lion	<i>Panthera leo</i>
ocelot	<i>Leopardus pardalis</i>
tiger	<i>Panthera tigris</i>

Which statement is correct?

- A All four cats are members of the same species.
- B The leopard and the ocelot are members of the same genus.
- C The leopard, lion and tiger are members of the same genus.
- D The leopard, lion and tiger are members of the same species.

8 - (0610/12_Winter_2017_Q2) - *Characteristics And Classification Of Living Organisms*

When a donkey is bred with a zebra, a zebrokey is produced. Zebrokeys are not fertile animals.

Which statement is correct?

- A Donkeys and zebras belong to different species because their offspring are not fertile.
- B Donkeys and zebras belong to different species because they do not look exactly the same.
- C Donkeys and zebras belong to the same species because they look alike.
- D Donkeys and zebras belong to the same species because they produce offspring.

9 - (0610/13_Winter_2017_Q2) - Characteristics And Classification Of Living Organisms

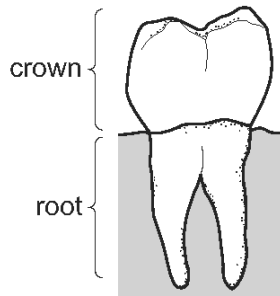
The dire wolf is an extinct species of wolf.

What is the correct scientific name for this wolf?

- A *Canis Dirus*
- B *canis dirus*
- C *Canis dirus*
- D *canis Dirus*

10 - (0610/11_Winter_2017_Q3) - Characteristics And Classification Of Living Organisms

The diagram shows a type of tooth.

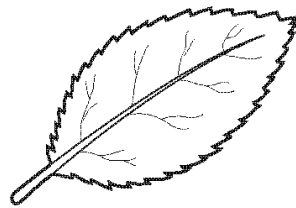


Use the key to identify the tooth.

- 1 the root is divided into two parts go to 2
 the root is not divided into two parts go to 3
- 2 the height of the crown is greater than the length of the root **A**
 the height of the crown is less than the length of the root **B**
- 3 flattened crown **C**
 ridged crown **D**

11 - (0610/12_Winter_2017_Q3) - Characteristics And Classification Of Living Organisms

The diagram shows a leaf.



Use the key to identify the leaf.

- 1 leaf with several small leaflets go to 2
- leaf with one large leaf blade go to 3
- 2 leaflets are broad and flat A
- leaflets are narrow and hair-like B
- 3 leaf with a smooth edge C
- leaf with a toothed edge D

12 - (0610/13_Winter_2017_Q3) - Characteristics And Classification Of Living Organisms

Which of the animals shown is a crustacean?

A



B



C



D



13 - (0610/11_Summer_2018_Q1) - Characteristics And Classification Of Living Organisms

Which organisms carry out respiration, growth, movement and excretion?

- A all animals and all plants
- B animals only
- C arthropods and flowering plants only
- D plants only

ANSWERS

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1 - (0610/11_Summer_2017_Q1) - *Characteristics And Classification Of Living Organisms*

B

2 - (0610/11_Summer_2017_Q3) - *Characteristics And Classification Of Living Organisms*

B

3 - (0610/12_Summer_2017_Q3) - *Characteristics And Classification Of Living Organisms*

B

4 - (0610/13_Summer_2017_Q3) - *Characteristics And Classification Of Living Organisms*

B

5 - (0610/11_Winter_2017_Q1) - *Characteristics And Classification Of Living Organisms*

B

6 - (0610/12_Winter_2017_Q1) - *Characteristics And Classification Of Living Organisms*

A

7 - (0610/11_Winter_2017_Q2) - *Characteristics And Classification Of Living Organisms*

C

8 - (0610/12_Winter_2017_Q2) - *Characteristics And Classification Of Living Organisms*

A

9 - (0610/13_Winter_2017_Q2) - *Characteristics And Classification Of Living Organisms*

C

10 - (0610/11_Winter_2017_Q3) - *Characteristics And Classification Of Living Organisms*

B