

Revision Sheet

IGCSE Biology · Unit 15 Drugs

5 vocabulary items · 7 marks of exam questions (7 questions)

Part 1 · Vocabulary review (5 items). The terms this unit is examined on most. Mark it yourself from the answer key.

Section A · Chinese to English

Write the English word.

1.

[1]
2.

[1]
3.

[1]
4.

[1]
5.

[1]

Part 2 · Exam questions (7 marks, 7 questions) begins on the next page. They are ordered easy to difficult and none of them has been set before.

6 Which statement about antibiotics is correct?

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- A** Antibiotics do not affect bacteria but kill viruses.
- B** Antibiotics do not affect bacteria or viruses.
- C** Antibiotics kill bacteria and kill viruses.
- D** Antibiotics kill bacteria but do not affect viruses.

7 Which factors would **increase** the chance of antibiotic resistance developing?

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- 1 regularly giving antibiotics to healthy livestock
- 2 only using antibiotics to treat bacterial infections
- 3 using several different antibiotics to treat an infection
- 4 using good personal hygiene to avoid infection

- A** 1 and 2 **B** 1 and 3 **C** 2 and 4 **D** 3 and 4

8 What is a correct statement about antibiotics?

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- A** Bacteria may become resistant to antibiotics as a result of artificial selection.
- B** Bacteria may become resistant to antibiotics as a result of natural selection.
- C** Viruses may become resistant to antibiotics as a result of artificial selection.
- D** Viruses may become resistant to antibiotics as a result of natural selection.

9 Why is an MRSA infection difficult to treat?

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- A** MRSA is a bacterium.
- B** MRSA is a virus.
- C** MRSA is resistant to some antibiotics.
- D** MRSA is resistant to some antibodies.

10 What is the definition of a drug?☐

- A** a substance produced by a gland that is carried in the blood and alters the activity of target organs
- B** a substance produced by white blood cells that is carried in the blood and destroys bacteria and viruses
- C** a substance taken into the body that modifies or affects chemical reactions carried out in the body
- D** a substance that increases the rate of chemical reactions in the body and is not changed by the reaction

11 A study investigated the effect on arm muscle surface area of taking testosterone and doing exercise. The participants in the study were given either testosterone or a placebo. The placebo does not contain any testosterone.☐

The bar chart shows the results of the study.



Which conclusion about the data in the graph is correct?

- A** Exercise has **no** effect on arm muscle surface area.
- B** No exercise and **not** taking testosterone has the greatest effect on arm muscle surface area.
- C** Exercise has the same effect on arm muscle surface area as **no** exercise.
- D** Taking testosterone increases arm muscle surface area.

12 How do some antibiotics kill bacteria?☐

- A** They damage the cell wall.
- B** They damage the endoplasmic reticulum.
- C** They damage the nucleus.
- D** They damage the protein coat.