

Name:

# 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.

Name:

### 6 Which statement about antibiotics is correct?

- ☐ 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?

- ☐ 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?

- ☐ 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?

- ☐ 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.