

IGCSE Biology

Name: _____ Score: _____

1. A drug is a substance that:
 - ☐ changes the chemical reactions in the body
 - ☐ is always harmful
 - ☐ is always a medicine
 - ☐ only affects bacteria
2. Antibiotics are effective against:
 - ☐ bacteria
 - ☐ viruses
 - ☐ all pathogens
 - ☐ fungi only
3. Antibiotics can cure a cold caused by a virus.
 - ☐ True ☐ False
4. Antibiotic resistance is made worse by:
 - ☐ overusing antibiotics
 - ☐ finishing the full course
 - ☐ using them only when needed
 - ☐ washing your hands
5. Take antibiotics according to the instructions of the qualified health care _____.

6. In antibiotic resistance, the bacteria are resistant, rather than the patient becoming immune to the medicine.
 - ☐ True ☐ False
7. After an antibiotic kills susceptible bacteria, why can resistant bacteria become a larger fraction of the population?
 - ☐ The survivors reproduce and pass on resistance
 - ☐ The patient becomes a resistant bacterium
 - ☐ All bacteria choose to become resistant
8. Antibiotics target bacteria; they do not kill _____.

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1. changes the chemical reactions in the body

A drug alters the body's chemistry; it can help or harm.

2. bacteria

Antibiotics kill bacteria, not viruses.

3. False

Colds are viral; antibiotics do not work on viruses.

4. overusing antibiotics

Overuse lets resistant bacteria survive and spread.

5. professional

Follow the prescribed dose and duration, and ask the health professional before changing treatment. Completing a course does not guarantee that every bacterium is killed.

6. True

Resistant bacteria survive the treatment and reproduce; resistance is a bacterial property.

7. The survivors reproduce and pass on resistance

Selection favours resistant survivors. Bacteria do not become resistant because they decide they need to.

8. viruses

Viruses do not have the same cellular targets as bacteria.