

15. Drugs

Starter Quiz · 课前小测

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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Answers · 答案

IGCSE Biology

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.