

University of El Arbi Ben M'Hidi, Oum-El-Bouaghi

Department : Biological Engineering

Field: Food Science

Specialization : Product Quality and Food Safety

Level : L2

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Second semester exam of English

(correction)

Antibiotic Resistance: A Global Health Problem

Antibiotics are medicines used to treat bacterial infections. Since their discovery, they have saved millions of lives around the world. However, the excessive and incorrect use of antibiotics has led to a serious medical problem known as antibiotic resistance.

Antibiotic resistance occurs when bacteria change and become resistant to drugs that were previously effective against them. As a result, infections become more difficult to treat, leading to longer hospital stays and increased mortality rates.

One major cause of antibiotic resistance is the misuse of antibiotics. Some patients take antibiotics without medical prescription, while others stop their treatment before completing the recommended duration. In agriculture, antibiotics are also used to promote animal growth, which contributes to the spread of resistant bacteria.

To reduce antibiotic resistance, health organizations encourage rational use of antibiotics, public awareness campaigns, and the development of new antimicrobial treatments.

I. Reading comprehension

A. Answer the following questions(4 pts)

1. They are used to treat bacterial infections.
2. It is the ability of bacteria to resist antibiotics.
3. Excessive use and incorrect use of antibiotics.
4. By rational use, awareness campaigns, and developing new treatments.

B. Find in the text words or expressions meaning (2 pts)

1. too much use (§1) = excessive use
2. illness caused by microbes (§2) = infection
3. to cure (§3) = to treat
4. increase (§3) = promote

C. Write True or False (4 pts).

1. Antibiotics are used to treat viral infections.**False**
2. Antibiotic resistance makes infections harder to treat.**True**
3. Patients should stop treatment as soon as they feel better.**False**
4. Public awareness campaigns can help reduce antibiotic resistance.**True**

II. Grammar

A. Rewrite in the scientific **passive voice** (2 pts)

1. Researchers develop new antimicrobial drugs.

→ New antimicrobial drugs are developed by researchers.

2. Doctors prescribe antibiotics to patients.

→Antibiotics are prescribed to patients by doctors.

B. Put the **verbs** in brackets into the **correct tense**. (3 pts)

1. Doctors usually prescribe (prescribe) antibiotics carefully.
2. Scientists discovered (discover) penicillin in 1928.
3. If patients misuse antibiotics, bacteria become (become) resistant.

C. Choose the correct **connector**. (1 pt)

1. Antibiotics are effective, but they must be used carefully.
2. Patients should finish the treatment although they feel better.

III. Written Expression (4 pts)

Choose **ONE** topic and write a short scientific paragraph (80–120 words).

Topic 1

The dangers of self-medication.

Topic 2

The importance of vaccines in disease prevention.