

15 Drugs and antibiotics – Part 1

Name: _____ Class: _____ Date: _____

Vocabulary 词汇

Write each word three times. 把每个单词抄写三遍。

English	中文	Write it 3 times (English)
drug	药物	_____
chemical reactions	化学反应	_____
Antibiotics	抗生素	_____
bacterial	细菌	_____
infections	感染	_____
viruses	病毒	_____

Recall

A **drug** 药物 is any substance taken into the body that changes its **chemical reactions** 化学反应. Many drugs are medicines.

New ideas

Read these first, then do the Practice.

■ 1 Antibiotics

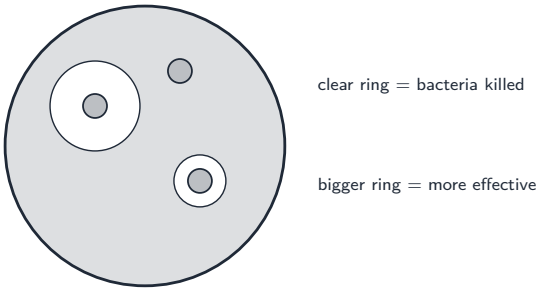
Antibiotics 抗生素 are drugs that treat **bacterial** 细菌 **infections** 感染 — they kill bacteria or stop them growing. They have **no** effect on **viruses** 病毒, so they cannot cure a cold or the flu:

antibiotic +  bacterium → killed

antibiotic +  virus → no effect

■ 2 Testing antibiotics

To find which antibiotic works best, discs soaked in different antibiotics are placed on a plate covered with bacteria. A **clear ring** with no growth shows the antibiotic killed the bacteria:



Watch out: antibiotics kill *bacteria* only — they have **no** effect on **viruses**, so they cannot cure a cold or flu. On a test plate, a *bigger* clear ring means a *more* effective antibiotic.

Practice

Try these in order.

15.1 What is a *drug*? [1]

15.2 What do antibiotics treat? [1]

15.3 Why can't antibiotics cure a cold or the flu? [1]

15.4 On a test plate, what does a clear ring around a disc show? [1]

15.5 What does a bigger clear ring mean? [1]

15.6 Challenge. A doctor refuses to give antibiotics for a patient's cold. Explain why this is the right decision. [2]