

20 Pollution and conservation – Part 2

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)
fertiliser	化肥	_____
eutrophication	富营养化	_____
oxygen	氧气	_____
Greenhouse gases	温室气体	_____
carbon dioxide	二氧化碳	_____
methane	甲烷	_____
climate change	气候变化	_____
conservation	保护	_____
quotas	配额	_____

Recall

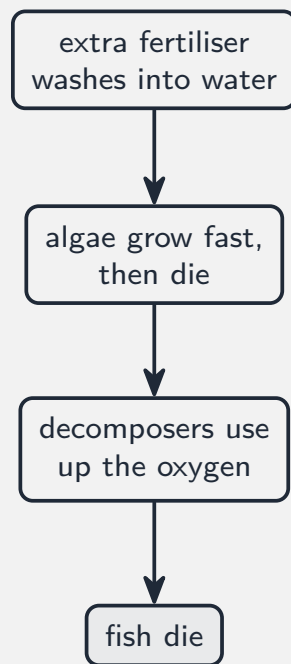
Human activities can pollute water and air, harming ecosystems.

New ideas

Read these first, then do the Practice.

■ 1 Eutrophication

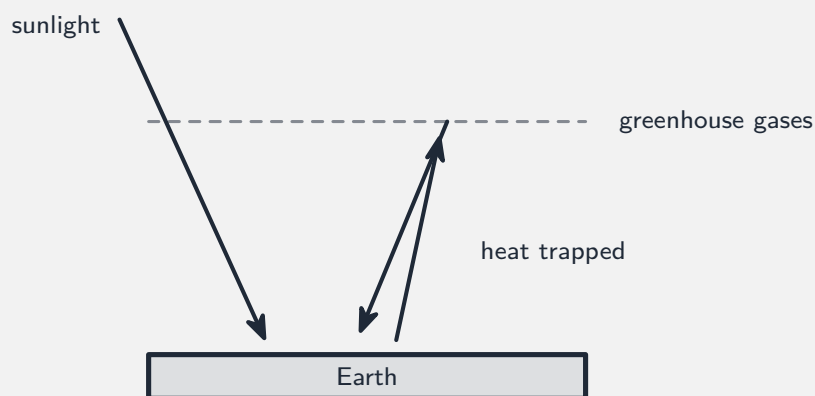
Extra **fertiliser** 化肥 washed into water causes **eutrophication** 富营养化:



The water loses its **oxygen** 氧气, so fish and other organisms die.

■ 2 The greenhouse effect

Greenhouse gases 温室气体 (such as **carbon dioxide** 二氧化碳 and **methane** 甲烷) trap heat leaving the Earth:



Too much of these gases strengthens the greenhouse effect, causing **climate change** 气候变化. We protect nature through **conservation** 保护—protected areas, **quotas** 配额 and replanting.

Watch out: in **eutrophication** extra fertiliser makes algae bloom; when they die, decomposers use up the **oxygen**, so fish suffocate. Greenhouse gases (carbon dioxide, methane) **trap heat** leaving the Earth, strengthening the greenhouse effect.

Practice

Try these in order.

20.6 What causes eutrophication? [1]

20.7 In eutrophication, why do the fish die? [2]

20.8 Name two greenhouse gases. [2]

20.9 What do greenhouse gases do to the heat leaving the Earth? [1]

20.10 Give one way we conserve nature. [1]

20.11 Challenge. Fertiliser from a field washes into a nearby lake, and weeks later the fish die. Explain the chain of events. [3]