

20.2 Habitat destruction

Name: _____ Class: _____ Date: _____

Total: 21 marks

KEY WORDS deforestation 森林砍伐 • carbon dioxide 二氧化碳 • species 物种 • extinction 灭绝
• biodiversity 生物多样性

Objective

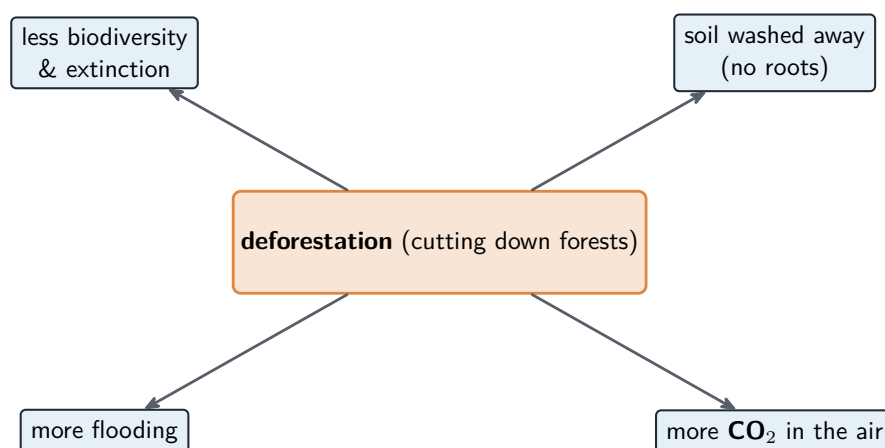
Build the skills to answer exam questions on **habitat destruction** 栖息地破坏 — **biodiversity** 生物多样性 and the effects of **deforestation** 森林砍伐.

You must be able to:

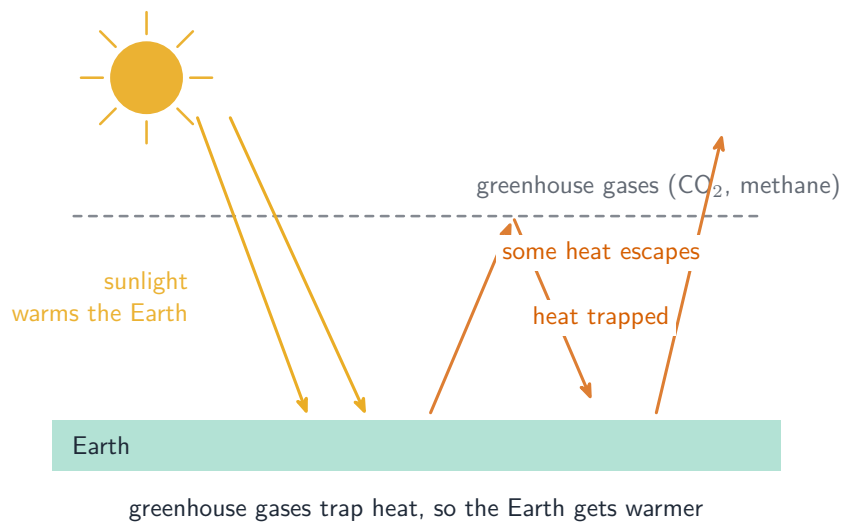
- explain how humans destroy habitats and reduce biodiversity
- list the effects of deforestation
- link habitat change to food webs

1 Worked examples

■ Deforestation



Deforestation lowers biodiversity, washes away soil, causes flooding and adds CO₂



Habitat loss links to the enhanced greenhouse effect

- **biodiversity** = the number of different species in an area.

2 Practice

2.1 Define biodiversity. [1]

2.2 State one way humans destroy habitats. [1]

3 Exam-style questions

3.1 Deforestation increases the amount of carbon dioxide in the air because: [1]

- | | |
|---|---|
| A | B |
| C | D |
- A** trees release it when cut
 - B** fewer trees take it in by photosynthesis
 - C** soil makes it
 - D** rivers flood

3.2 A large area of forest is cleared.

(a) State two effects of this deforestation. [2]

(b) Explain why removing the trees leads to soil being washed away. [2]

3.3 A large area of tropical rainforest is cleared for cattle farming.

(a) State what is meant by *biodiversity*. [2]

(b) Describe **four** effects of deforestation on the environment, explaining each. [8]

(c) Explain why species that live only in that forest are at risk of extinction. [2]

(d) Suggest **two** ways of reducing the impact of using forest land. [2]
