

9.8 Invasive Species

Name: _____ Class: _____ Date: _____

Total: 9 marks

KEY WORDS invasive species 入侵物种

Objective

Build the skills to answer exam questions on **invasive species**.

You must be able to:

- define an **invasive species** 入侵物种
- explain why they spread and their impacts
- suggest control methods

1 Worked examples

Study these first. Each one shows the method for a question type used later — follow the steps and you can do the Practice and Exam-style questions yourself.

■ What they are

An **invasive species** is a non-native species that spreads rapidly and harms the new ecosystem, economy, or health.

■ Why they succeed

They often have **no natural predators** in the new area, reproduce fast, and out-compete or prey on natives — so their populations explode.

■ Impacts

- **Outcompete** or eat native species (biodiversity loss).
- Disrupt food webs.
- Cause economic damage (crops, infrastructure).

■ Control methods

- **Prevention** (best) — inspections, ballast-water rules.
- **Mechanical/physical** removal, **biological** control (a natural predator, carefully chosen), and targeted chemicals.

■ A worked example

A fish introduced to a lake with no predators multiplies and eats native species, collapsing their populations — an invasive-species impact.

2 Practice

Now apply the methods above.

2.1 Define an invasive species. [1]

2.2 Why do invasive species often spread rapidly? [1]

2.3 State one method to control invasive species. [1]

3 Exam-style questions

3.1 Invasive species often thrive because they [1]

A	B
C	D

A have many local predators

B lack natural predators in the new area

C reproduce slowly

D are always producers

3.2 An invasive plant spreads across a wetland.

(a) Explain two impacts on the native ecosystem. [2]

(b) State the best long-term strategy against invasive species. [1]

3.3 Explain one risk of using biological control against an invasive species. [2]