

2.6 Environmental Consequences of Connectivity

Name: _____ Class: _____ Date: _____ **Total: 12 marks**

KEY WORDS travellers 旅行者 • diffusion of crops and pathogens 作物与病原体的传播
• environmental consequences 环境影响 • diffusion 传播

Objective

Build the skills to explain **environmental consequences** 环境影响 of exchange.

You must be able to:

- state what the CED says diffused along trade routes
- explain why crops and pathogens appear in one sentence
- name the disease the CED specifies
- explain why this is the unit’s least intended consequence

1 Worked examples

Study these first. Each one shows the method for a task used later.

■ What diffused

There was **continued diffusion of crops and pathogens**, with epidemic diseases, including the bubonic plague, along trade routes.

■ One sentence, two effects

A route that carries a crop carries a pathogen. The CED puts them together because they travel by the same mechanism, with opposite consequences for the population.

■ The disease

The bubonic plague is the CED’s named example — a consequence of connection that no participant in the network wanted or foresaw.

■ Unintended

Every other consequence in unit 2 was sought by someone: merchants wanted profit, empires wanted revenue, travellers wanted knowledge. This one was sought by nobody, which is why it belongs in a unit about networks rather than about intentions.

2 Practice

2.1 State what the CED says diffused along trade routes. [2]

2.2 Explain why crops and pathogens appear together. [2]

2.3 This consequence was intended by nobody.

(a) State what everyone else in unit 2 sought. [2]

(b) State why this one still belongs in the unit. [1]

3 Exam-style questions

3.1 The CED’s named epidemic disease is [1]

- | | |
|---|---|
| A | B |
| C | D |
- A smallpox
B the bubonic plague
C malaria
D cholera

3.2 Crops and pathogens travelled by [1]

- | | |
|---|---|
| A | B |
| C | D |
- A different mechanisms
B the same mechanism
C no mechanism
D deliberate transport only

3.3 A network built to move goods also moves a disease.

(a) State what this shows about networks.

[1]

(b) Explain why the consequence cannot be designed out.

[2]
