

Exercise walk-through

Infrastructure ■ 6.7

eXercise

You must be able to

- define **infrastructure** 基础设施
- give examples (transport, water, power, communication)
- explain how infrastructure shapes a city's growth and function
- link infrastructure to economic development

Method — Infrastructure

Infrastructure is the basic physical systems a city needs — roads, transit, water and sewers, power, and communication networks.

Method — Shaping the city

Good infrastructure lets a city grow, move people and goods, and attract business; poor infrastructure limits growth and lowers quality of life.

Method — Link to development

Investment in infrastructure supports economic development, connecting a city to markets and enabling new industry.

Practice 2.1 ■ 2 marks

Define infrastructure and give two examples.

Solution 2.1

Worked steps

the basic physical systems supporting a city **B1**; e.g. roads, water/sewers, power, transit, communication **B1**.

Practice 2.2 ■ 2 marks

Explain how good transport infrastructure helps a city grow.

Solution 2.2

Method: Shaping the city

Worked steps

it moves people and goods efficiently **B1**; this attracts business and lets the city expand **B1**.

Practice 2.3 ■ 1 mark

A fast-growing city cannot supply enough clean water and power.

- (a) Name what the city lacks.
- (b) State one consequence for residents.

Solution 2.3

Method: Infrastructure

Worked steps

(a) adequate infrastructure **B1**. (b) shortages, disease, unreliable power, or poor quality of life **B1**.

Exam-style 3.1 ■ 1 mark

Which is the best example of urban infrastructure?

- A** a person's opinion
- B** a water and sewer network
- C** a perceptual region
- D** a toponym

Solution 3.1

- A** a person's opinion
- B** a water and sewer network 
- C** a perceptual region
- D** a toponym

Worked steps

- B.** a water/sewer network is core infrastructure.

Exam-style 3.2 ■ 1 mark

Investment in infrastructure most directly promotes

A economic development

B distance decay

C primacy only

D relict boundaries

Solution 3.2

Method: Link to development

A economic development



B distance decay

C primacy only

D relict boundaries

Worked steps

A. infrastructure supports economic development.

Exam-style 3.3 ■ 1 mark

A city builds a new metro line to its suburbs.

- (a) State one way this shapes the city's growth.
- (b) Explain how it could attract business.

Solution 3.3

Method: Shaping the city

Worked steps

(a) suburbs along the line grow / people commute farther **B1**. (b) better access brings workers and customers, drawing firms **B1**.