

6.11 Challenges of Urban Sustainability

Name: _____ Class: _____ Date: _____ **Total: 10 marks**

KEY WORDS challenges of urban sustainability 城市可持续性的挑战 • climate change 气候变化
• sprawl 城市蔓延 • informal settlements 非正规住区

Objective

Build the skills to answer exam questions on **challenges of urban sustainability** 城市可持续性的挑战.

You must be able to:

- explain how sprawl harms sustainability
- explain sanitation and housing-affordability challenges
- link cities to **climate change** 气候变化
- state one sustainable solution

1 Worked examples

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

■ **Sprawl and services**

Sprawl raises car use, emissions, and the cost of extending water, power, and transit, while covering farmland and habitat.

■ **Sanitation and housing**

Fast-growing cities can struggle to supply clean water and **sanitation**, and rising demand makes **housing** unaffordable, forcing informal settlements.

■ **Climate and solutions**

Cities produce most greenhouse-gas emissions. Solutions include public transit, green building, denser smart growth, and affordable housing.

2 Practice

2.1 Explain how urban sprawl harms sustainability. [2]

2.2 State two challenges a fast-growing city faces in providing for residents. [2]

2.3 A booming city has spreading informal settlements without proper sanitation.

(a) State one health risk this creates. [1]

(b) State one sustainable response. [1]

3 Exam-style questions

3.1 A major sustainability problem caused by urban sprawl is [1]

- A

B

C

D

A less driving

B higher car use and emissions

C cheaper services

D protected farmland

3.2 A sustainable response to unaffordable city housing is to [1]

- A

B

C

D

A ban all building

B build affordable, denser housing near transit

C expand low-density sprawl

D remove sanitation

3.3 Cities produce most of the world’s greenhouse-gas emissions.

(a) State one reason cities emit so much. [1]

(b) State one policy to cut a city’s emissions. [1]