

# 6.8 Urban Sustainability

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_ **Total: 10 marks**

**KEY WORDS** greenbelt 绿化带 • mixed-use development 混合用途开发 • smart growth 精明增长  
• urban sustainability 城市可持续性 • greenbelts 绿带

## Objective

Build the skills to answer exam questions on **urban sustainability** 城市可持续性.

You must be able to:

- define **smart growth** 精明增长
- explain **mixed-use development** 混合用途开发
- define a **greenbelt** 绿化带
- state one aim of sustainable urban design

## 1 Worked examples

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

### ■ Sustainable urban design

Sustainable cities aim to grow while cutting pollution, sprawl, and resource use — through compact building, transit, and green space.

### ■ Smart growth and mixed-use

**Smart growth** concentrates development to limit sprawl. **Mixed-use development** puts homes, shops, and offices together so people can walk instead of drive.

### ■ Greenbelts

A **greenbelt** is a ring of protected open land around a city that limits sprawl and preserves nature.

## 2 Practice

**2.1** Define smart growth. [2]

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**2.2** Explain how mixed-use development reduces car use. [2]

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**2.3** A city protects a ring of farmland and forest around its edge.

(a) Name this feature. [1]

(b) State one benefit it provides. [1]

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## 3 Exam-style questions

**3.1** A ring of protected open land that limits a city’s outward growth is a [1]

- |   |   |
|---|---|
| A | B |
| C | D |
- A** greenbelt  
**B** CBD  
**C** shatterbelt  
**D** relict boundary

**3.2** Mixed-use development mainly aims to [1]

- |   |   |
|---|---|
| A | B |
| C | D |
- A** increase driving  
**B** let people live, work, and shop close together  
**C** expand sprawl  
**D** raise land value only

**3.3** A city adopts smart-growth policies.

(a) State one problem it is trying to solve. [1]

(b) Explain how compact development helps sustainability. [1]

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