

6.5 The Internal Structure of Cities

Name: _____ Class: _____ Date: _____

Total: 10 marks

KEY WORDS concentric zone model 同心圆模型 • sector model 扇形模型 • multiple nuclei model 多核心模型
• central business district (cbd) 中央商务区 • urban models 城市模型

Objective

Build the skills to answer exam questions on **urban models** 城市模型 of internal structure.

You must be able to:

- describe the **concentric zone model** 同心圆模型
- describe the **sector model** 扇形模型
- describe the **multiple nuclei model** 多核心模型
- match a city description to a model

1 Worked examples

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

■ Concentric zone model

The **concentric zone model** has rings around a central business district (CBD): a transition zone, then working-class, better housing, and commuter rings outward.

■ Sector model

The **sector model** shows land use in wedges radiating from the CBD along transport routes, so similar uses line up in strips.

■ Multiple nuclei model

The **multiple nuclei model** has several centres (nodes), not just one CBD — an airport, a university, an industrial park each anchor their own district.

2 Practice

2.1 Describe the concentric zone model. [2]

2.2 State how the sector model differs from the concentric zone model. [2]

2.3 A city has grown around several separate centres — a port, an airport, and a university district.

(a) Which model fits best? [1]

(b) Explain why. [1]

3 Exam-style questions

3.1 A model showing land use as wedges radiating out along transport lines is the [1]

- **A** concentric zone model
- **B** sector model
- **C** multiple nuclei model
- **D** gravity model

3.2 The concentric zone model is organized around a single [1]

- **A** airport
- **B** central business district
- **C** greenbelt
- **D** relict boundary

3.3 A modern city has many edge nodes rather than one dominant centre.

(a) Name the model that best describes it. [1]

(b) State one strength of this model over the concentric model.

[1]

Solutions

2.1 rings of land use around a central CBD, from transition/working-class to wealthier commuter zones outward.

2.2 the sector model uses wedges along transport routes instead of complete rings.

2.3 (a) the multiple nuclei model. (b) growth is anchored on several nodes, not a single CBD.

3.1 B. wedges along transport routes = sector model.

3.2 B. the concentric zone model centres on the CBD.

3.3 (a) multiple nuclei model. (b) it better fits modern cities with several centres and cars, not one CBD.