

2.5 The Demographic Transition Model

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

KEY WORDS demographic transition model 人口转变模型 • migration 迁移

Objective

Build the skills to answer exam questions on the **Demographic Transition Model** 人口转变模型 (DTM).

You must be able to:

- describe the birth and death rates in each of the DTM's five stages
- explain why the death rate falls before the birth rate
- place a country in a DTM stage from its rates
- state one limitation of the DTM

1 Worked examples

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

■ The five stages

Stage 1: high CBR and CDR (stable). Stage 2: CDR falls, CBR high (fast growth). Stage 3: CBR falls (slowing growth). Stage 4: both low (stable). Stage 5: CBR below CDR (decline).

■ Why death falls first

Better food, water, sanitation, and medicine cut the **death rate** early. The **birth rate** stays high longer because family size is cultural and slow to change — so Stage 2 grows fast.

■ Limitations

The DTM is based on Europe's history, assumes all countries follow the same path, and ignores migration and government policy.

2 Practice

2.1 Describe the birth and death rates in Stage 2 of the DTM. [2]

2.2 Explain why the death rate falls before the birth rate. [2]

2.3 Country Z has a low death rate and a birth rate that has recently begun to fall.
(a) Which DTM stage is it in? [1]

(b) State what is happening to its growth rate. [1]

3 Exam-style questions

3.1 In Stage 4 of the DTM, birth and death rates are both [1]

- | | |
|---|---|
| A | B |
| C | D |
- A** high
B low
C rising
D unequal by 20 per 1000

3.2 One valid criticism of the DTM is that it [1]

- | | |
|---|---|
| A | B |
| C | D |
- A** shows death rates
B is based on European history and ignores migration
C has five stages
D uses birth and death rates

3.3 A country has very high birth and death rates that roughly balance.
(a) Which DTM stage is this? [1]

(b) Explain why almost no countries are in this stage today. [1]