

## Worksheet 2: Populations in transition

### Population growth: natural increase and net migration

- 1 Define the terms:
  - a natural increase
  - b immigration rate
  - c emigration rate
  - d rate of net migration.

- 2 Look at Figure 2.1.

#### PACIFICA

Population at beginning of year: 5 000

Population change during the year:

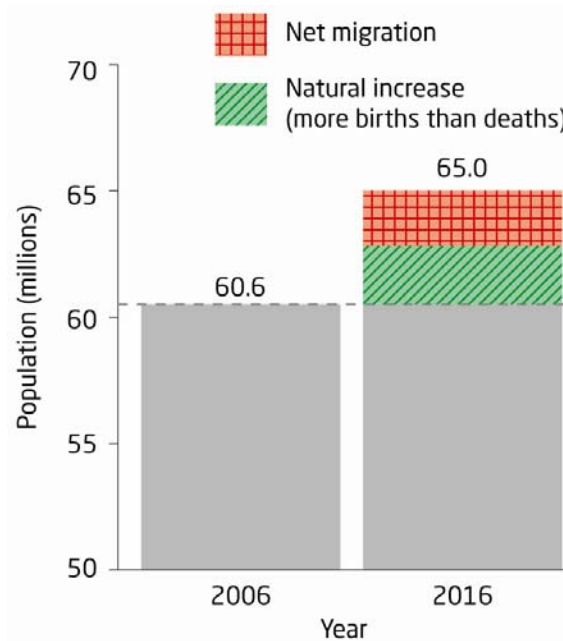
Births: 150	Deaths: 60
Immigrants: 20	Emigrants: 10

**Figure 2.1** Population on the hypothetical island of Pacifica.

- a Using the data provided, calculate the:
  - birth rate
  - death rate
  - immigration rate
  - emigration rate
  - rate of net migration.

- b** Now calculate the total population at the end of the year.

- 3** Look at Figure 2.2.



**Figure 2.2** A population projection for the UK.

(Source: Office for National Statistics, 2007)

- a** By how much is the UK population projected to rise between 2006 and 2016?
- b** What proportion of this increase will be accounted for by:
- i natural increase
  - ii net migration?
- 4** Explain why net migration numbers are positive in some countries but negative in others.



- 5** Discuss the causes and consequences of a high rate of positive net migration in a country you have studied.