

Worksheet 5: Patterns in environmental quality and sustainability

Planning and management to achieve a sustainable system

1 Study Figure 5.1.

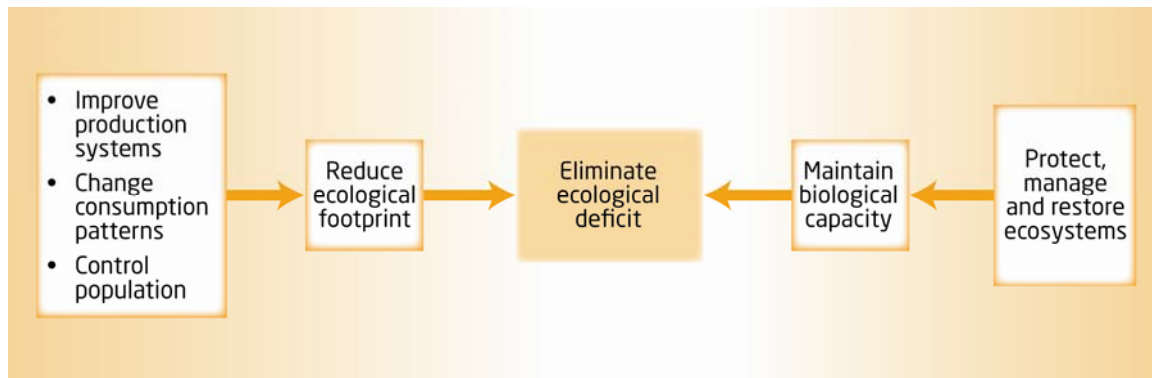


Figure 5.1 Policies for eliminating the ecological deficit.

(Source: David Holmes, 'Eco-footprints'. *Geo Factsheet* 183, April 2005, p. 3, Curriculum Press)

- a Outline the major strategies that some countries have undertaken to control population.
- b When, and at what figure, does the UN expect global population to level off?
- 2 With reference to examples, explain how changes in consumption patterns can reduce the ecological footprint. Examine the role of government in this process.



- 3** Explain how improved production systems can reduce the environmental impact of economic activity.

- 4** What do you understand by the terms:

a biological capacity

b ecological deficit?

Extension activity

- 5** Conduct a group research project to examine the protection, management and restoration of two ecosystems that have been damaged by high levels of resource exploitation.