

Full Higher Separate content. ★ = Higher Tier. ◆ = Separate Science only.

Q1. Explain THREE reasons why maintaining biodiversity is important.

[3 marks]

Q2. Evaluate nature reserves as a conservation method.

[4 marks]

Total: 7 marks

Q1 (3 marks)

Explain THREE reasons why maintaining biodiversity is important.

- Ecosystem stability [1]
- Source of food, medicines, raw materials [1]
- Ethical: all species have intrinsic value [1]

Q2 (4 marks)

Evaluate nature reserves as a conservation method.

- Benefit: protect habitat from development/human interference [1]
- Benefit: allow species population to recover undisturbed [1]
- Limitation: may be too small for large, wide-ranging species [1]
- Limitation: cannot prevent external threats like climate change or pollution [1]