

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

Q1. Describe FOUR consequences of deforestation.

[4 marks]

Q2. Evaluate TWO conservation strategies.

[4 marks]

★ HIGHER TIER

Q3. ★ Evaluate international conservation agreements as a strategy for protecting biodiversity.

[3 marks]

Total: 11 marks

Q1 (4 marks)

Describe FOUR consequences of deforestation.

- Habitat destruction → biodiversity loss [1]
- CO₂ release → contributes to global warming [1]
- Disrupts water cycle / reduces rainfall [1]
- Soil erosion — roots no longer bind soil [1]

Q2 (4 marks)

Evaluate TWO conservation strategies.

- Nature reserves: protect habitat from development [1]; may be too small/cannot prevent climate change [1]
- Captive breeding: prevents extinction, allows reintroduction [1]; animals lose natural behaviours, limited genetic diversity [1] — accept any two

Q3 (3 marks) [★ HT]

★ Evaluate international conservation agreements as a strategy for protecting biodiversity...

- Benefit: coordinate action across countries — e.g. Paris Agreement, CITES [1]
- Benefit: protect species crossing national borders (migratory animals, ocean fish) [1]
- Limitation: not legally binding / economic interests override conservation / not all countries participate [1]