

Higher Combined version — Higher Tier (★) included; Separate-only (◆) removed.

Q1. Explain how natural selection leads to evolution over many generations.

[5 marks]

Q2. State THREE pieces of evidence that support evolution.

[3 marks]

Total: 8 marks

Q1 (5 marks)

Explain how natural selection leads to evolution over many generations.

- Variation exists in population due to mutations [1]
- Competition for limited resources [1]
- Better-adapted individuals survive and reproduce more [1]
- Advantageous alleles passed to offspring [1]
- Over generations, frequency of advantageous alleles increases [1]

Q2 (3 marks)

State THREE pieces of evidence that support evolution.

- Fossil record [1]
- DNA/molecular evidence [1]
- Antibiotic resistance / direct observation of natural selection [1]