

Foundation Combined — only core Foundation content included.

Q1. Explain how guard cells control the opening and closing of stomata.

[3 marks]

Total: 3 marks

Q1 (3 marks)

Explain how guard cells control the opening and closing of stomata.

- In light/adequate water: guard cells become turgid → bow outward → stoma opens [1]
- In darkness/drought: guard cells lose water → flaccid → stoma closes [1]
- This balances gas exchange (photosynthesis) against water conservation [1]