

Foundation Combined — only core Foundation content included.

Q1. Describe THREE differences between animal and plant cells.

[3 marks]

Q2. Explain cell specialisation with an example. Include the term differentiation.

[3 marks]

Total: 6 marks

Q1 (3 marks)

Describe THREE differences between animal and plant cells.

- Plant has cell wall; animal does not [1]
- Plant has chloroplasts; animal does not [1]
- Plant has permanent vacuole; animal does not [1]

Q2 (3 marks)

Explain cell specialisation with an example. Include the term differentiation.

- Differentiation: specific genes switched on/off → cell develops unique structure [1]
- Example: red blood cell [1]
- No nucleus → more space for haemoglobin; biconcave → large SA for O₂ diffusion [1]