

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

Q1. State TWO structures found in a plant cell but NOT in an animal cell.

[2 marks]

Q2. Describe THREE features of a bacterial (prokaryotic) cell that differ from eukaryotic cells.

[3 marks]

★ HIGHER TIER

Q3. ★ Compare the structure of a plant cell and a bacterial cell. Give FOUR differences.

[4 marks]

Total: 9 marks

Q1 (2 marks)

State *TWO* structures found in a plant cell but *NOT* in an animal cell.

- Cell wall (cellulose) [1]
- Chloroplasts [1] — accept: permanent vacuole

Q2 (3 marks)

Describe *THREE* features of a bacterial (prokaryotic) cell that differ from eukaryotic cell...

- No membrane-bound nucleus — circular DNA floats in cytoplasm [1]
- No membrane-bound organelles (no mitochondria/chloroplasts) [1]
- May have plasmids and flagellum [1]

Q3 (4 marks) [★ HT]

★ Compare the structure of a plant cell and a bacterial cell. Give *FOUR* differences.

- Plant: nucleus; bacteria: no nucleus [1]
- Plant: linear chromosomes in nucleus; bacteria: circular chromosome in cytoplasm [1]
- Plant: cellulose cell wall; bacteria: different cell wall material [1]
- Plant: chloroplasts and mitochondria; bacteria: no membrane-bound organelles [1]