

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

**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]