

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

**Q1. Distinguish between a population, a community and an ecosystem.**

**[3 marks]**

---

---

---

---

---

**Q2. Describe a predator-prey cycle.**

**[3 marks]**

---

---

---

---

---

---

---

---

**Total: 6 marks**

**Q1 (3 marks)**

*Distinguish between a population, a community and an ecosystem.*

- Population: one species in an area [1]
- Community: all species in an area [1]
- Ecosystem: community + abiotic environment [1]

**Q2 (3 marks)**

*Describe a predator-prey cycle.*

- Prey increases → predators increase (more food) [1]
- More predators → prey decreases (more predation) [1]
- Less prey → predators decrease → prey recovers → cycle repeats [1]