

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

Q1. Describe the main stages of the water cycle.

[3 marks]

Q2. Explain the role of transpiration in the water cycle.

[2 marks]

Total: 5 marks

Q1 (3 marks)

Describe the main stages of the water cycle.

- Evaporation: water evaporates from oceans/lakes/ivers driven by solar energy [1]
- Condensation: water vapour rises and cools → forms clouds [1]
- Precipitation: water falls as rain/snow → runs off into rivers → back to sea [1]

Q2 (2 marks)

Explain the role of transpiration in the water cycle.

- Plants absorb water through roots and release it as water vapour through stomata (transpiration) [1]
- This adds significant water vapour to the atmosphere — contributes to cloud formation and precipitation [1]