

Foundation Separate version — Higher Tier (★) questions removed.

Q1. Explain how dialysis maintains the composition of blood in patients with kidney failure.

[3 marks]

Total: 3 marks

Q1 (3 marks)

Explain how dialysis maintains the composition of blood in patients with kidney failure.

- Blood pumped through dialysis machine across partially permeable membrane [1]
- Dialysis fluid contains correct concentrations of glucose and useful ions — so they are not lost [1]
- Excess urea, water and ions diffuse from blood to dialysis fluid → blood composition corrected [1]