

Foundation Combined — only core Foundation content included.

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

**[3 marks]**

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**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]