

(iii) *This is a QWC question*

- 1 selective **reabsorption**,
- 2 of glucose **and** amino acids;
DO NOT CREDIT if glucose & amino acids & proteins
- 3 **co-transport / facilitated diffusion** / uptake described;
*ACCEPT direct uptake, of glucose / amino acids,
by active transport*
- 4 water follows by **osmosis** so concentration of, ions / nitrogenous
waste / urea / remaining substances, increases,
- 5 AVP,
e.g.
 - *microvilli provide large surface area for uptake*
 - *many mitochondria provide energy for uptake*
 - *many brush border enzymes (ATPase) for active uptake*
 - *active secretion of nitrogenous waste into lumen*

3 max

QWC - technical terms used appropriately and spelt correctly,

*Use of **three** terms from:
reabsorption (or derived term),
co-transport (or derived term),
facilitated diffusion, osmosis*

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[6]