9 **(a)** Fig. 9.1 shows a longitudinal section of a human kidney.

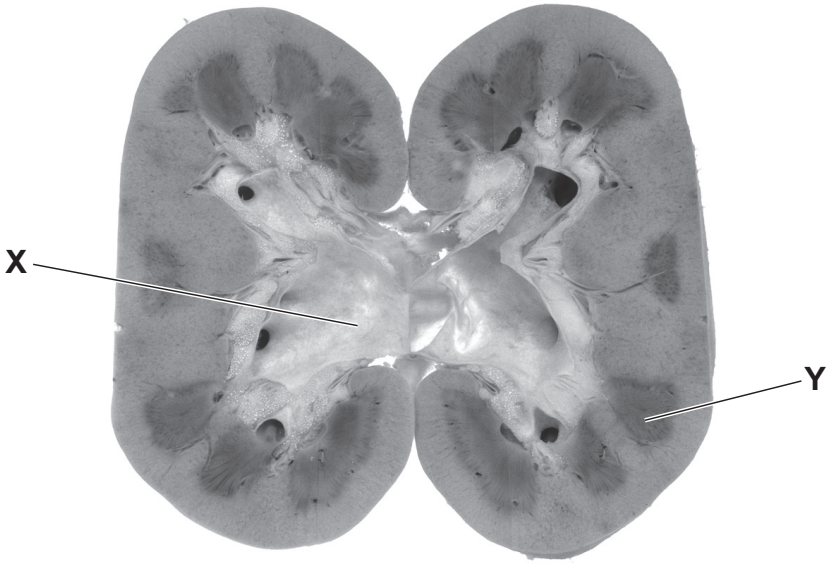

Fig. 9.1

Name the regions of the kidney labelled **X** and **Y** in Fig. 9.1.

X .....

Y .....

[2]

(b) A biosensor can be used to measure the concentration of glucose in urine.

Outline how a biosensor measures the concentration of glucose in urine.

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..... [4]

[Total: 6]