Excretion - 2020 O Level 5090

1. Nov/2020/Paper_11/No.19

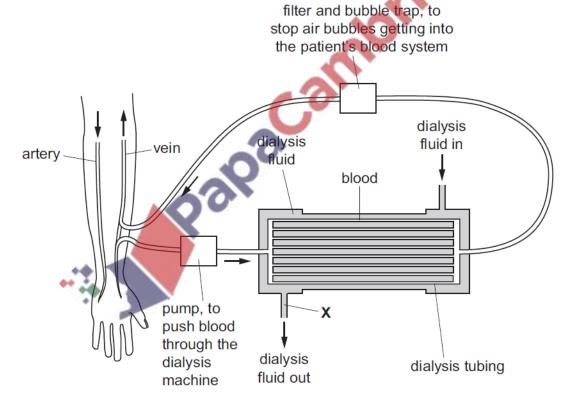
During dialysis, substances such as glucose, mineral salts, urea and water move between the patient's blood and the dialysis fluid.

Which processes are involved in these movements?

	active transport	diffusion
Α	yes	yes
В	no	yes
С	yes	no
D	no	no

2. Nov/2020/Paper_12/No.19

The diagram shows a dialysis machine.



Which substance would **not** be present in a sample of the dialysis fluid taken from point **X**?

- A glucose molecules
- B salt ions
- C plasma proteins
- **D** urea molecules

3. Nov/2020/Paper_22/No.7

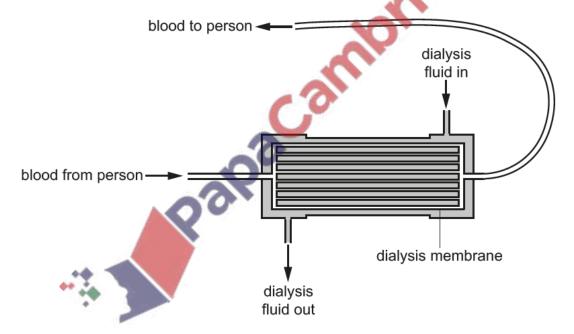
The kidneys are organs of excretion.

(a)	Define the term excretion.

(b) A person with kidney damage requires the process of dialysis to take place several times each week.

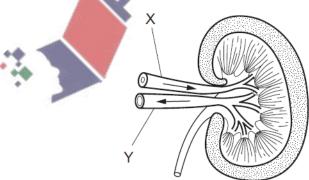
Dialysis is carried out using a kidney machine connected to the blood supply of the person.

The diagram shows a section through the internal structure of a kidney machine.



(i)	Describe the structure of the dialysis membrane and explain how it functions.
/::\	[5]
(ii)	Explain why the dialysis fluid in the kidney machine must be continuously replaced.
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	[2]
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	/ <mark>2020/Paper_11/No.19</mark> diagram shows a kidney and blood vessels associated with it.
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4.

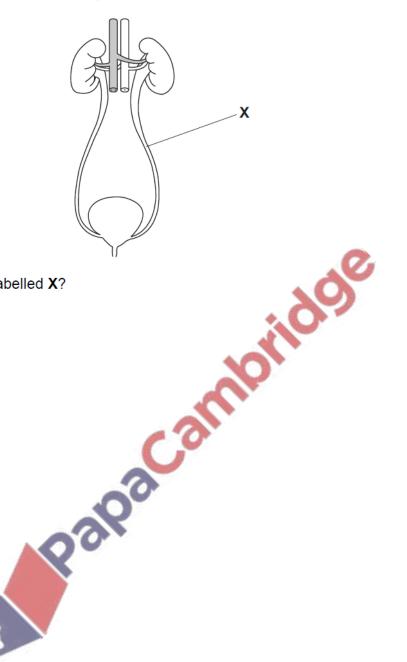


Which statements are correct?

- Vessel X contains more urea than vessel Y.
- 2 Vessel Y contains urine.
- Vessel X contains more oxygen than vessel Y.
- **A** 1, 2 and 3 B 1 and 3 only C 1 only **D** 2 and 3 only

5. Jun/2020/Paper_12/No.19

The diagram shows the human kidneys and their associated structures.



What is the structure labelled X?

- A renal artery
- B renal vein
- C ureter
- **D** urethra