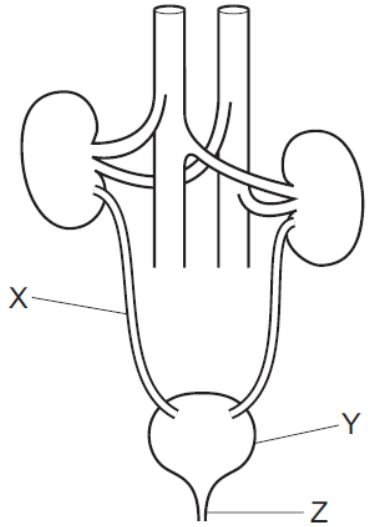
Excretion in humans – 2021 IGCSE 0610

1. March/2021/Paper_12/No.24

The diagram shows the human excretory system and associated blood vessels.



What are structures X, Y and Z?

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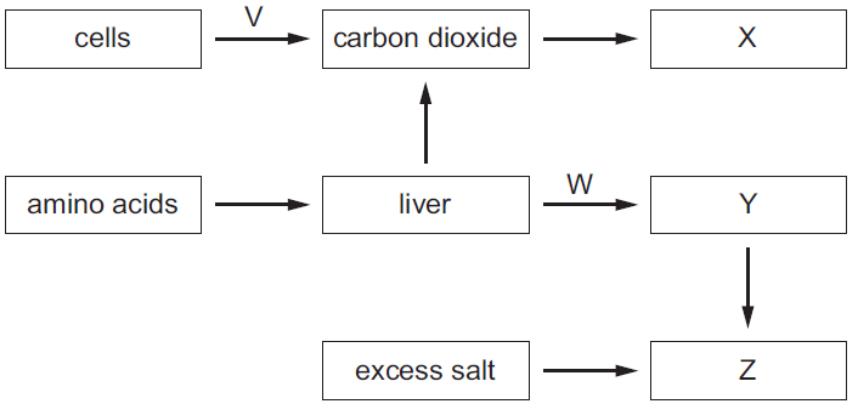
	X	Y	Z
A	ureter	bladder	urethra
B	ureter	kidney	urethra
C	urethra	bladder	ureter
D	urethra	kidney	ureter

2. March/2021/Paper_22/No.24

The diagram shows the production and excretion of materials from the human body.



What are V, W, X, Y and Z in the diagram?

	V	W	X	Y	Z
A	anaerobic respiration	deamination	kidneys	urea	lungs
B	anaerobic respiration	filtration	lungs	kidneys	urea
C	aerobic respiration	deamination	lungs	urea	kidneys
D	aerobic respiration	filtration	urea	lungs	kidneys

3. March/2021/Paper_22/No.26

Hormones and the nervous system both control our bodies.

Which statement about the control provided by our hormones is correct?

A fast response and long lasting

B fast response and short lived

C slow response and long lasting

D slow response and short lived

4. March/2021/Paper_22/No.27

Auxin is a chemical produced by plants. It controls plant growth.

Which statement about auxin is correct?

A Auxin affects the cells only where it is made.

B Auxin is equally distributed in response to light from one direction.

C Auxin elongates the cells in the shoot tip.

D Auxin is made in the shoot tip.

5. June/2021/Paper_11/No.19

What are the main vessels carrying blood to and from the kidney?

	to kidney	from kidney
A	pulmonary artery	pulmonary vein
B	pulmonary vein	pulmonary artery
C	renal artery	renal vein
D	renal vein	renal artery

6. June/2021/Paper_11/No.25

Which statement about urea is correct?

A Urea is formed from excess amino acids in the kidneys and excreted by the liver.

B Urea is formed from excess glucose in the liver and egested by the kidneys.

C Urea is formed from excess glucose in the kidneys and egested by the liver.

D Urea is formed from excess amino acids in the liver and excreted by the kidneys.

7. June/2021/Paper_13/No.25

A student carried out an experiment to investigate the effect of temperature on the volume of urine produced.

Which row shows the experiment where the environmental temperature was increased from 20 °C to 40 °C but no other changes were made?

	urine produced / cm^3 per hour	
	before	after
A	60	60
B	80	40
C	120	145
D	100	130

8. June/2021/Paper_21/No.19

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C Urea is formed from excess glucose in the kidneys and egested by the liver.

D Urea is formed from excess amino acids in the liver and excreted by the kidneys.

10. June/2021/Paper_22/No.8

Which process is involved in the uptake of glucose by the epithelial cells of kidney tubules?

A active transport

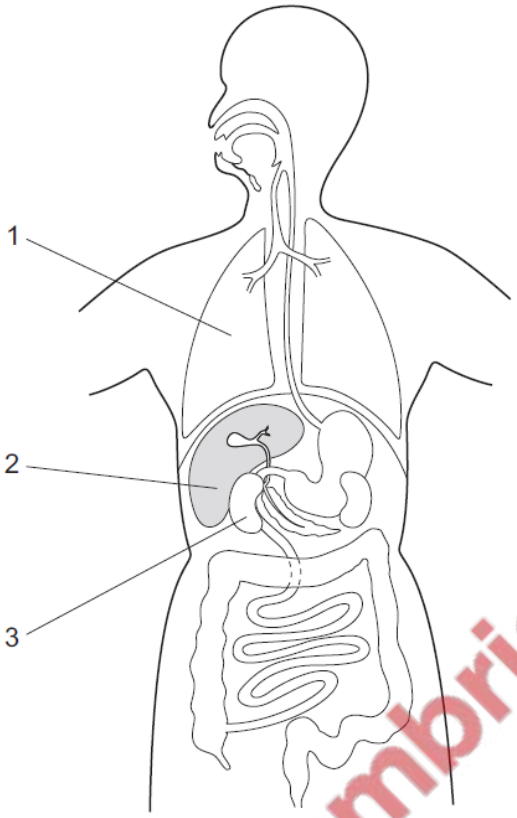
B osmosis

C translocation

D transpiration

11. June/2021/Paper_22/No.25

The diagram shows some of the organs in the human body.



Which row matches the function to the correct organ?

	excretes carbon dioxide	excretes urea	produces urea
A	1	2	3
B	1	3	2
C	2	3	1
D	2	1	3

12. June/2021/Paper_23/No.8

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