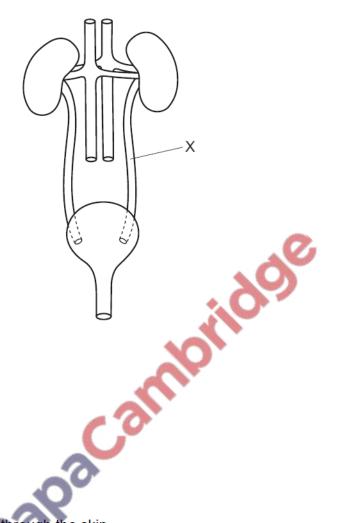
#### Excretion in humans – 2021 IGCSE 0610

#### 1. Nov/2021/Paper\_11/No.25

The diagram shows part of the excretory system of a female mammal.



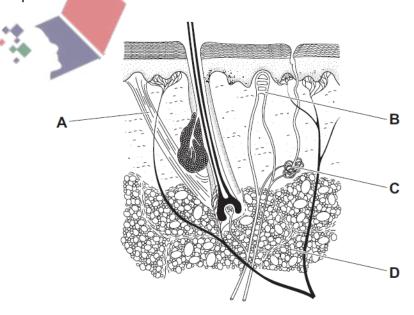
What is tube X?

- A ureter
- **B** urethra
- C uterus
- **D** vein

#### 2. Nov/2021/Paper\_11/No.27

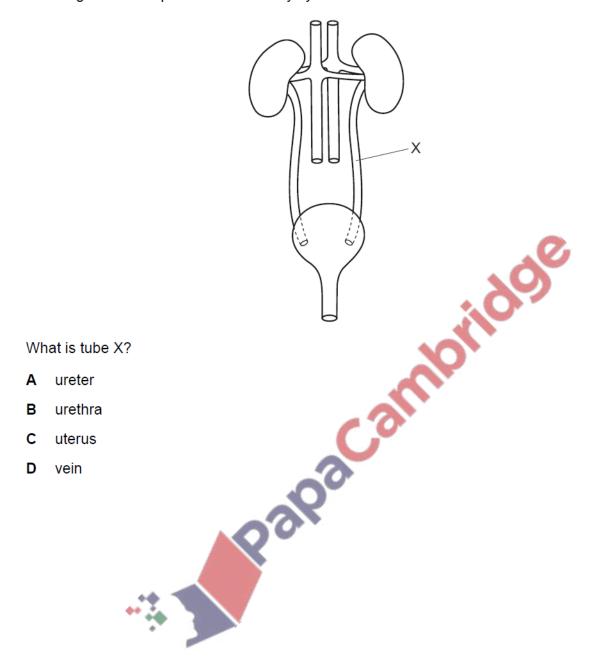
The diagram shows a section through the skin.

Which labelled part is a hair erector muscle?



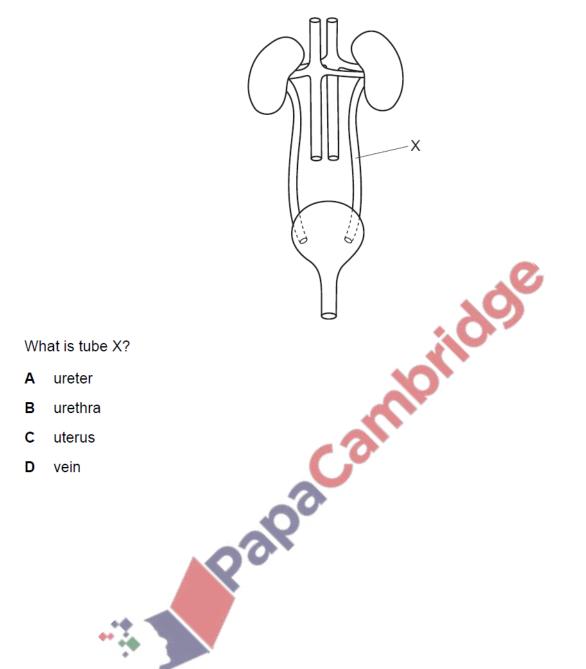
#### **3.** Nov/2021/Paper\_12/No.25

The diagram shows part of the excretory system of a female mammal.



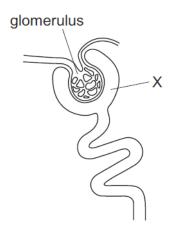
## **4.** Nov/2021/Paper\_13/No.25

The diagram shows part of the excretory system of a female mammal.



## **5.** Nov/2021/Paper\_21/No.23

The diagram shows the structure of part of a kidney tubule and associated blood vessels.

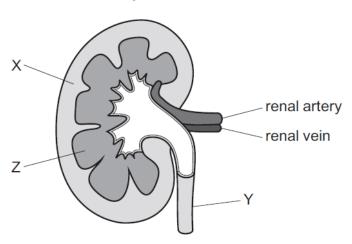


Which substances are normally present in the filtrate at X?

WINCI	substances are	normany presen	t in the flitrate at X?
	glucose	urea	
Α	absent	absent	. 699
В	absent	present	
С	present	absent	10)
D	present	present	
			Call

## 6. Nov/2021/Paper\_22/No.24

The diagram shows a mammalian kidney.



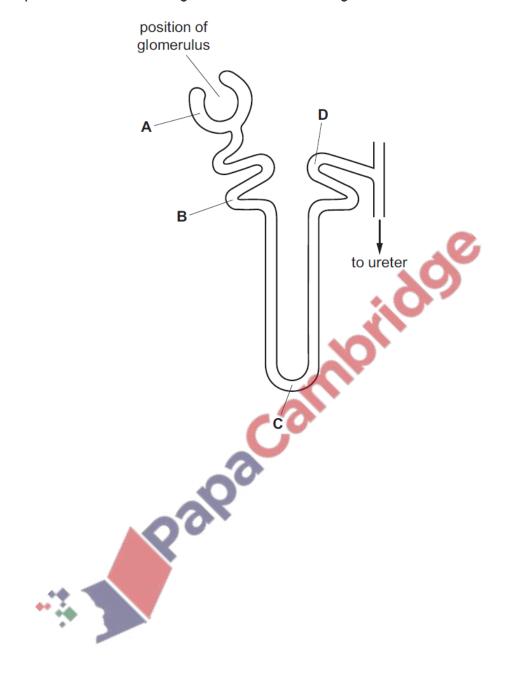
## What are areas X, Y and Z?

۷hat ۵	are areas X, Y	and Z?		0.
	Х	Y	Z	100
Α	cortex	medulla	ureter	40
В	cortex	ureter	medulla	
С	medulla	cortex	ureter	<b>%</b> .
D	medulla	ureter	medulla	
		103	Pa	

# **7.** Nov/2021/Paper\_23/No.24

The diagram shows a kidney tubule.

In which part of the tubule is the glucose concentration highest?



8.		2021/Paper_42/No.5 State <b>two</b> factors that affect the volume of urine produced in the human body.			
		1			
		2			
		[2]			
(b)		Nitrogen is an important element for organisms.			
		In a livestock farm, waste from animals contains protein. This waste is often spread on farmland as a fertiliser.			
		Describe how the nitrogen in protein is recycled in the soil into a form that plants can absorb and use.			
		TE3			
		[5]			

(c)	Waste from livestock farms often pollutes water courses, such as streams and rivers, leading to a reduction in biodiversity.
	Explain how the pollution of water courses by animal waste leads to a reduction in biodiversity.
	[6]
	[6] [Total: 13]