

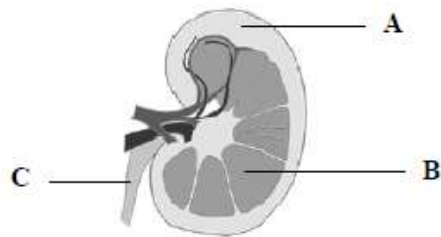


**Biology**  
**Leaving Certificate**  
**Ordinary Level**

**Past Exam Questions on**  
**Excretion**

**Q6 Section A 2013**

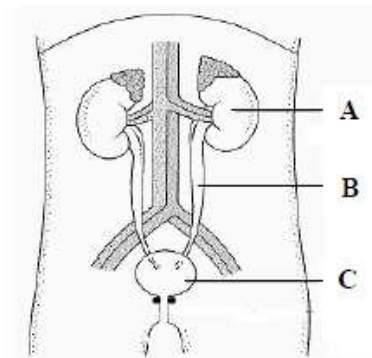
6. The diagram shows a vertical section through a human kidney.



- (a) Name the parts labelled A, B and C.
- A .....
- B .....
- C .....
- (b) Name the organ that is attached to the kidney by part C.....
- (c) Name one substance excreted by the kidneys.....
- (d) Name the site in the kidney where filtration takes place.....
- (e) Suggest one possible treatment for kidney failure.....

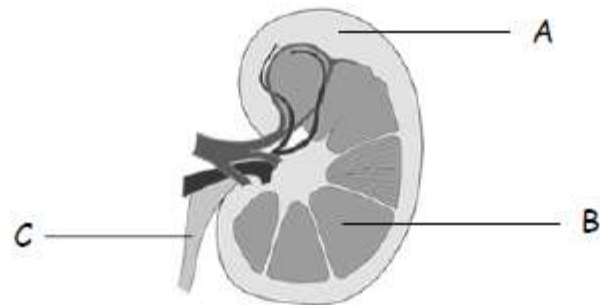
**Q14 Part (c) Section C 2011**

- (c) (i) Explain the term *excretion*.
- (ii) Name two substances excreted by the kidneys.
- (iii) The diagram shows the human urinary system. Name the parts labelled A, B, and C.
- (iv) Name the parts of the kidney in which each of the following takes place:
1. Filtration
  2. Reabsorption.
- (v) Name one other excretory organ in the body.



### Q14 Part (b) Section C 2009

- (b) The diagram shows a vertical section through a human kidney.



- (i) Name the parts labelled A, B and C.
- (ii) Which organ is attached to the kidney by part C?
- (iii) In which of the three labelled parts does filtration of the blood occur?
- (iv) Explain the term *excretion*.
- (v) Name two substances excreted by the kidneys.
- (vi) Give two other excretory organs in the human body.

### Q6 Section A 2008

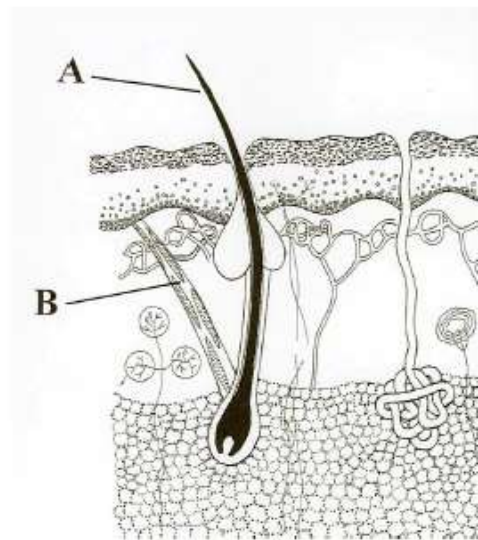
6. The diagram shows a section through human skin.

- (a) Name parts A and B.

A \_\_\_\_\_

B \_\_\_\_\_

- (b) Place X on the diagram to show where sweat reaches the skin surface.
- (c) Apart from water, name one other substance which is found in sweat \_\_\_\_\_
- (d) Describe briefly one way by which the skin helps to retain heat in cold conditions.



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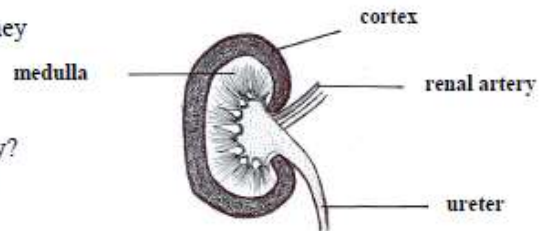
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### Q14 Part (b) Section C 2007

- (b) (i) What is meant by excretion?  
(ii) Name two products excreted by the human.  
(iii) Name one organ of excretion, other than the kidney, in the human body.  
(iv) What is meant by osmoregulation?

(v) Study the diagram of a section through the kidney and answer the following questions.

1. Where does filtration of blood take place?
2. Where does reabsorption of salt take place?
3. To what organ does the ureter link the kidney?
4. To which main blood vessel does the renal artery link the kidney?



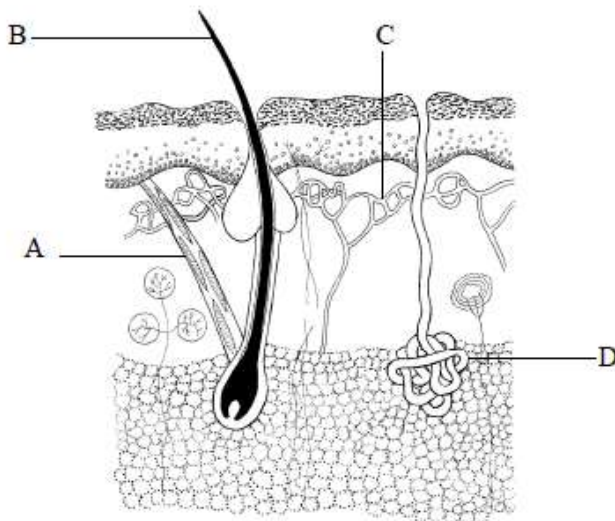
- (vi) Name the fluid present in the ureter.

### Q15 Section C 2006

15. Answer any two of (a), (b), (c).

(30, 30)

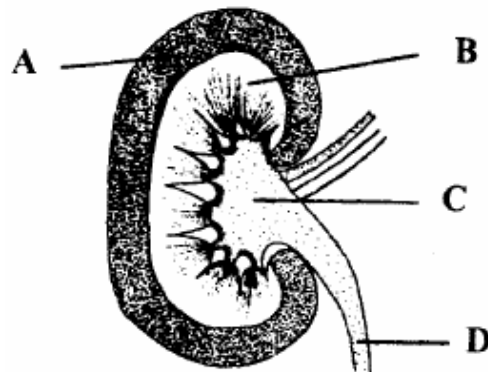
- (a) The diagram shows a vertical section through human skin.



- (i) Identify parts A, B, C and D on the diagram.
- (ii) The human being is an endotherm. What does this mean?
- (iii) What is the main source of body heat in endotherms?
- (iv) Describe the role of D in relation to body temperature.
- (v) What happens to the small arteries (arterioles) in the skin when the external temperature drops?

**Q14 Section C 2005**

- (a) The diagram shows a section through a human kidney.



- (i) Name A, B, C, D.
- (ii) To what structure does D connect the kidney?
- (iii) Filtration is an essential process in the formation of urine. In what part of the kidney does it take place?
- (iv) Reabsorption of useful substances takes place in the kidney. In what part does this occur?
- (v) Name an excretory substance present in urine.
- (vi) Name an excretory organ in the human body other than the kidney. Name a substance, other than the one you have named in (v), excreted by this organ.