

## Excretory Products & their Elimination

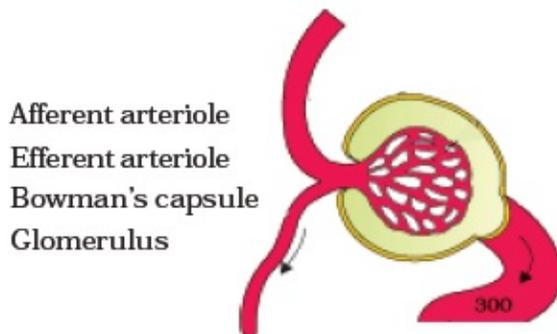
### Very Short Answer Type Questions

1. Where does the selective reabsorption of Glomerular filtrate take place?
2. What is the excretory product from kidneys of reptiles?
3. What is the composition of sweat produced by sweat glands?
4. Identify the glands that perform the excretory function in prawns.
5. What is the excretory structure in amoeba?
6. The following abbreviations are used in the context of excretory functions, what do they stand for?
  - a. ANF
  - b. ADH
  - c. GFR
  - d. DCT
7. Differentiate Glycosuria from Ketonuria.
8. What is the role of sebaceous glands?
9. Name two actively transported substances in Glomerular filtrate.
10. Mention any two metabolic disorders, which can be diagnosed by analysis of urine.
11. What are the main processes of urine formation?
12. Sort the following into actively or passively transported substances during reabsorption of GFR. glucose, amino acids, nitrogenous wastes,  $\text{Na}^+$ , water
13. Complete the following:
  - a. urinary excretion = tubular reabsorption + tubular secretion –
  - b. Dialysis fluid = Plasma–
14. Mention the substances that exit from the tubules in order to maintain a concentration gradient in the medullary interstitium.
15. Fill in the blanks appropriately

Organ	Excretory wastes
a. Kidneys	_____
b. Lungs	_____
c. Liver	_____
d. Skin	_____

## Short Answer Type Questions

1. Show the structure of a renal corpuscle with the help of a diagram.
2. What is the role played by Renin-Angiotensin in the regulation of kidney function?
3. Aquatic animals generally are ammonotelic in nature where as terrestrial forms are not.  
Comment.
4. The composition of glomerular filtrate and urine is not same. Comment.
5. What is the procedure advised for the correction of extreme renal failure?  
Give a brief account of it.
6. How have the terrestrial organisms adapted themselves for conservation of water?
7. Label the parts in the following diagram.



8. Explain, why a haemodialysis unit called artificial kidney?
9. Comment upon the hormonal regulation of selective reabsorption.

## Long Answer Type Questions

1. Explain the mechanism of formation of concentrated urine in mammals.

2. Draw a labelled diagram showing reabsorption and secretion of major substances at different parts of the nephron.
3. Explain briefly, micturition and disorders of the excretory system.
4. How does tubular secretion help in maintaining ionic and acid-base balance in body fluids?
5. The glomerular filtrate in the loop of Henle gets concentrated in the descending and then gets diluted in the ascending limbs. Explain.
6. Describe the structure of a human kidney with the help of a labelled diagram.