



Subject :- Science

Weekly School- May 17 – May 21

Grade:- 11

Prepared By:- Zonal Education Office - Kegalle

Functions of Human Body – Human Excretory System

- * Bio chemical reactions occurring in living cells are called metabolism.
- * Waste products of metabolism process are called Excretory Matter.
- * Removal of excretory products during metabolism from body is called

- 1) The removal of human excretory matter from body comes in three methods,
 - a)
 - b)
 - c)

2) Compare the methods of removing excretory matter as bellow,

Method of removing excretory matter	Excretory Organ	Excretory Material

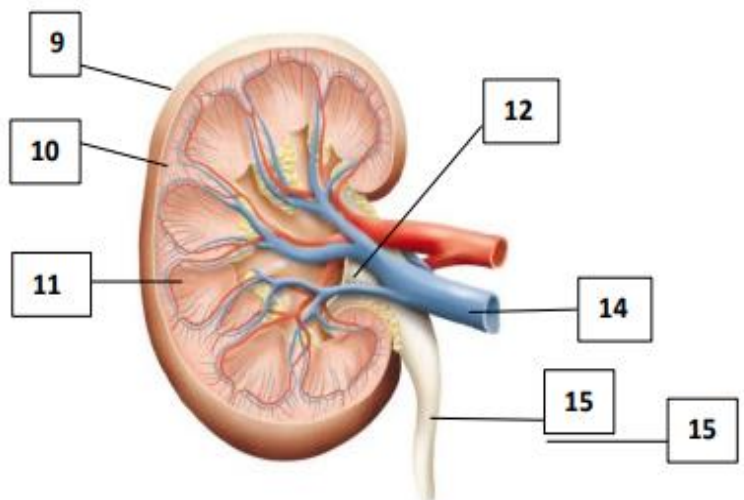
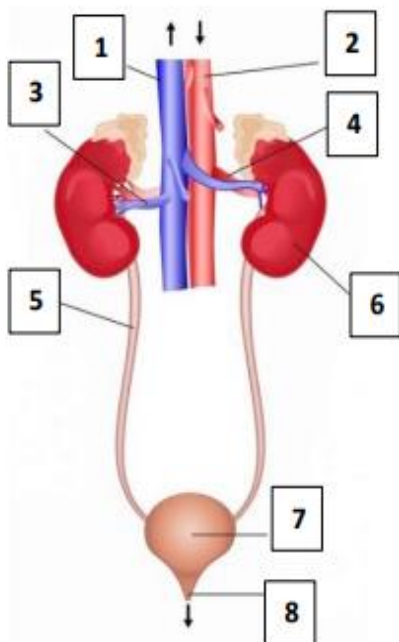
3) Explain why faecal matter is not an excretory material?

.....

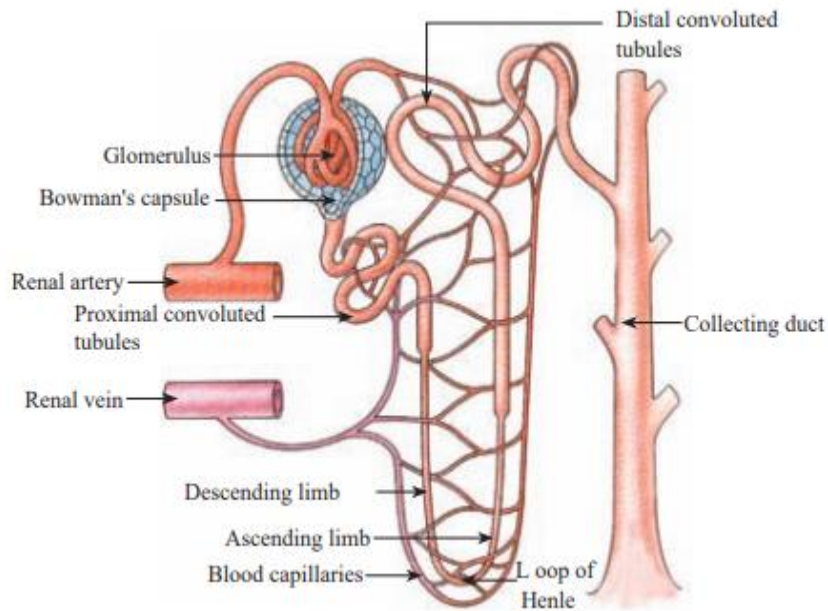
4) Name the main excretory organ of human.

.....

5) Name the main organs and other parts that belong to human excretory system and kidney.



- * **Functional and structural unit of kidney is nephron.**
- * **Producing urine in kidney has 3 processes**
 - i. Ultra Filtration**
 - ii. Selective Reabsorption**
 - iii. Secretion**



6) Fill the table below using the main processes of urine formation.

Main method of urine formation	Place	Material that enter to nephron from blood	Materials that enter from nephron to blood back

7) What are the components of urine?

.....

8) Write a flow chart how produced urine go out of the body

.....

9) Compare the diseases related to excretory system.

Disease	Symptoms	Reasons	Methods of prevention/ treatments
Renal Failure			
Nephritis			
Calculi in Kidney & Bladder			