

S.N.KANSAGRA SCHOOL

BIOLOGY DEPARTMENT

Name _____

Date: _____

Excretion	Defecation	Secretion

Metabolic wastes-

Features	Ammonotelism	Ureotelism	Uricotelism
Substance excreted			
Level of toxicity			
Examples			

Organs of excretion and the substances excreted by them

Organs	Excretory substances
Kidney	
Skin	
Lungs	
Liver	

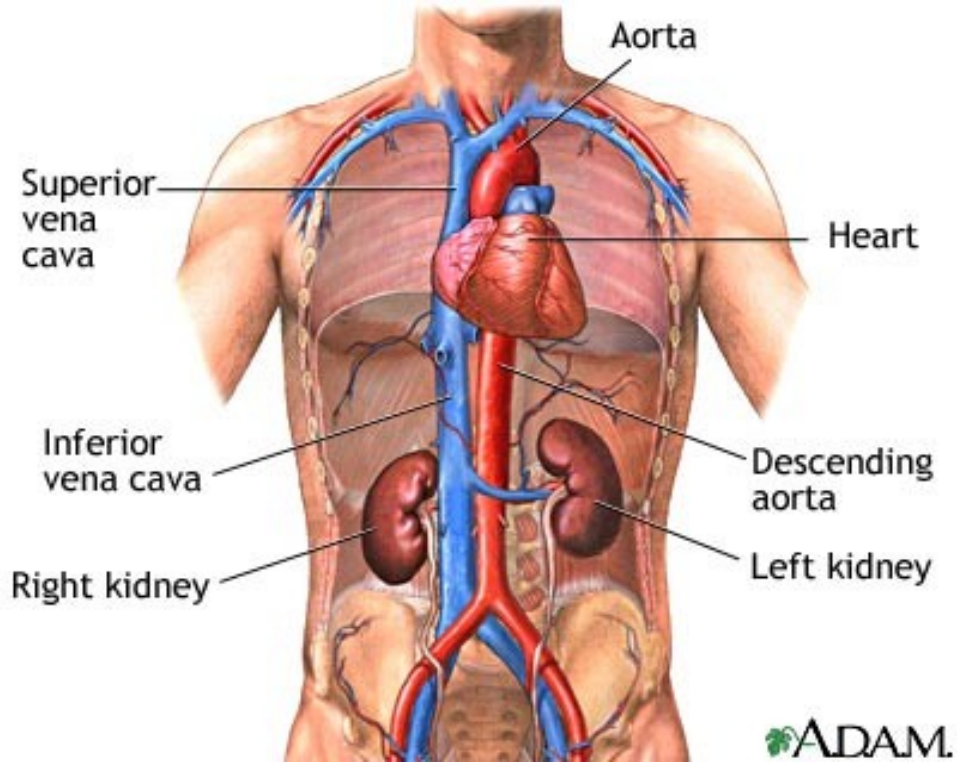
Organs of the excretory system-

ORGAN	FUNCTION

LOCATION OF KIDNEY-

DIAGRAM

THE BLOOD FLOW TO AND FROM THE KIDNEYS



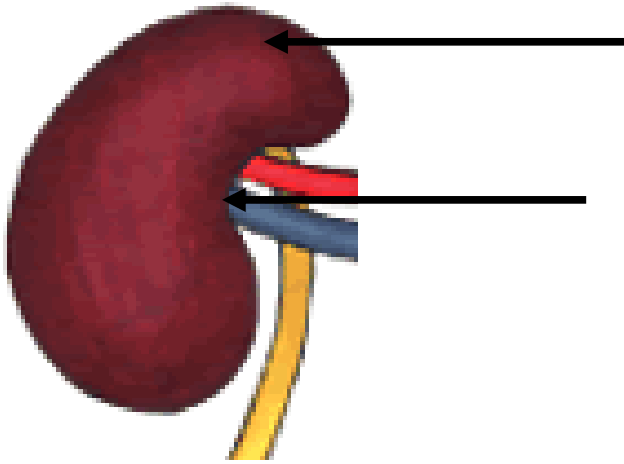
WITH THE HELP OF ARROWS SHOW THE FLOW OF BLOOD

HEART

RIGHT
KIDNEY

LEFT
KIDNEY

EXTERNAL STRUCTURE OF KIDNEY



Structure entering the kidney-

Structures leaving the kidney-

INTERNAL STRUCTURE OF KIDNEY

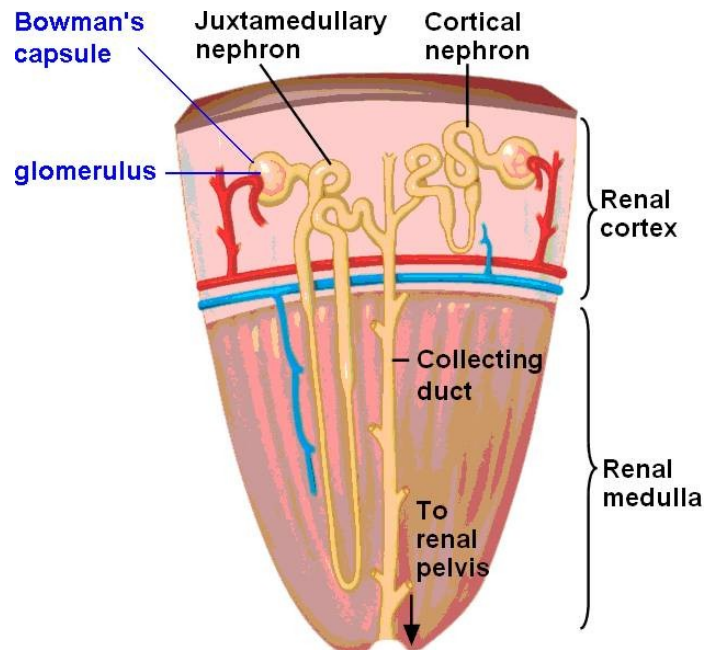
Structure of kidney-

Functional unit-

Features	Renal cortex	Renal medulla
Region		
Colour		
Components		

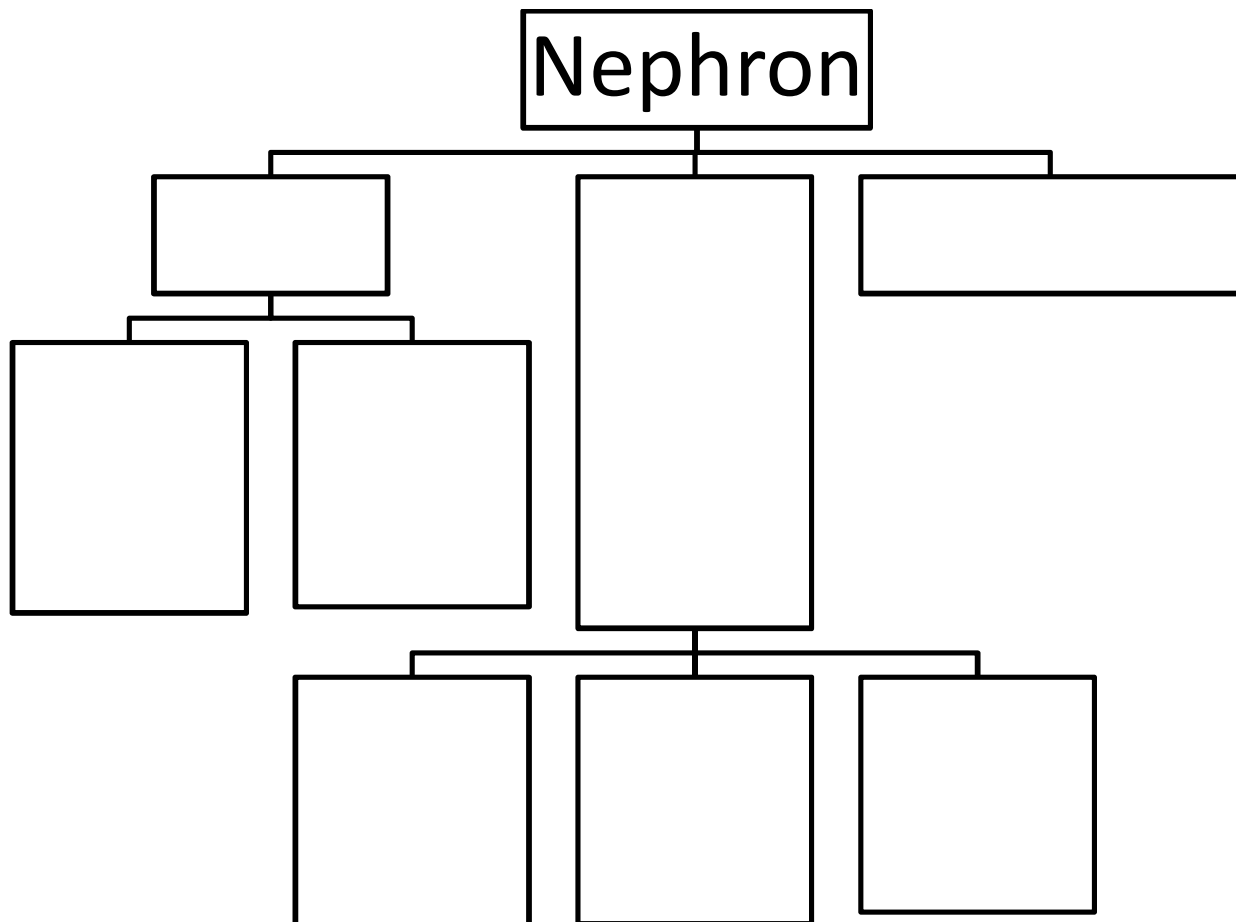
NEPHRON

TYPES OF NEPHRON-



<http://www.nicerweb.com/bio1152/Locked/media/ch44/nephron.html>

PARTS OF NEPHRON



S.N.KANSAGRA SCHOOL

BIOLOGY DEPARTMENT

Malpighian corpuscle-

Features	Afferent arteriole	Efferent arteriole
Formed by		
Diameter		
Type of Blood		
Components present in the blood		

Ureter

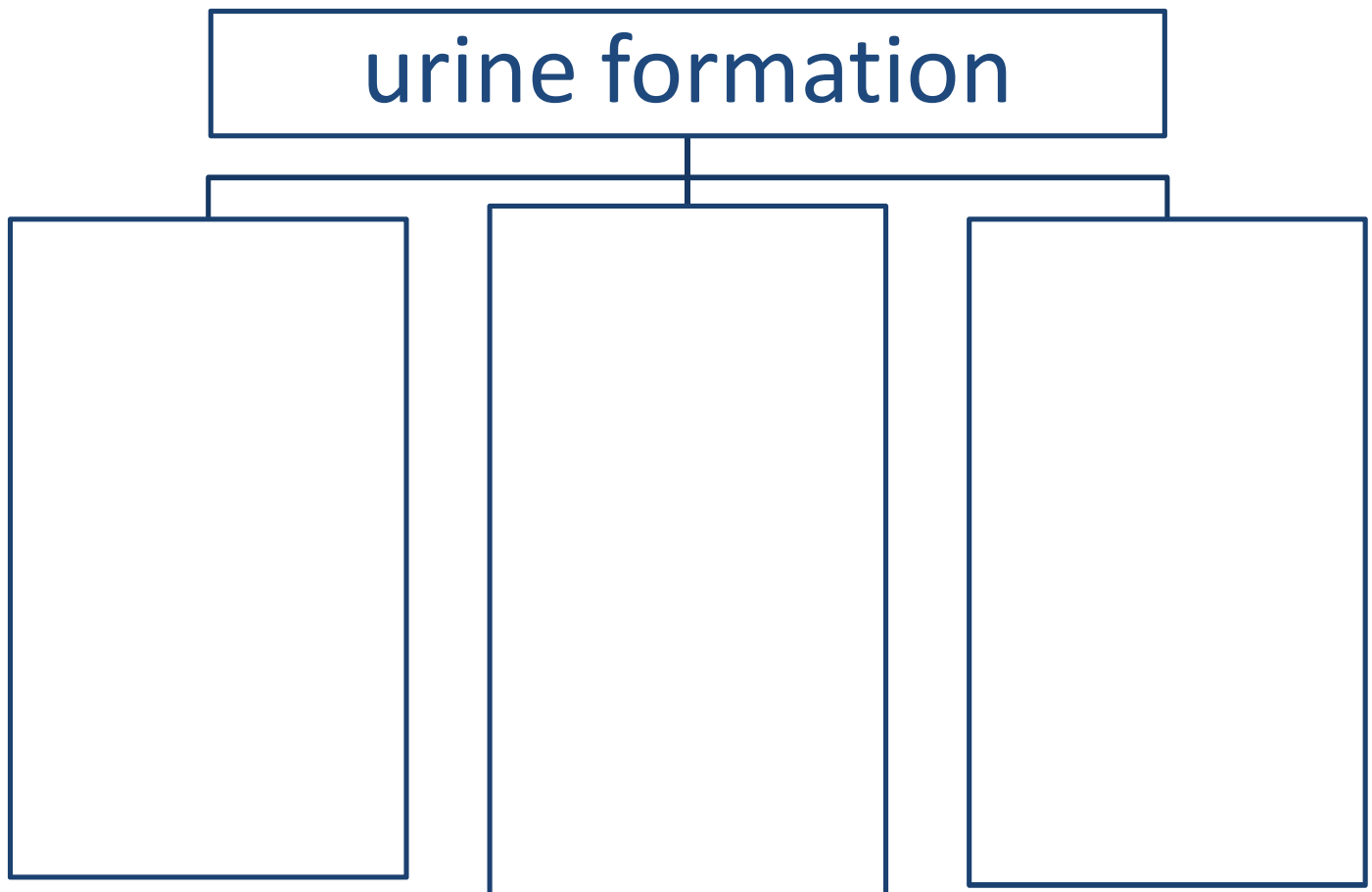
Urinary bladder

Urethra

Physiology of urine formation.

1.

2.



S.N.KANSAGRA SCHOOL

BIOLOGY DEPARTMENT

Reabsorption of substances-

PCT	DESCENDING LIMB	ASCENDING LIMB	DCT AND CD

Urine composition:-

Pathological conditions-

Feature	Name of the condition
sugar in urine	
ketone bodies in urine	
pus cells in urine	
blood in urine	
excess urea in the blood	