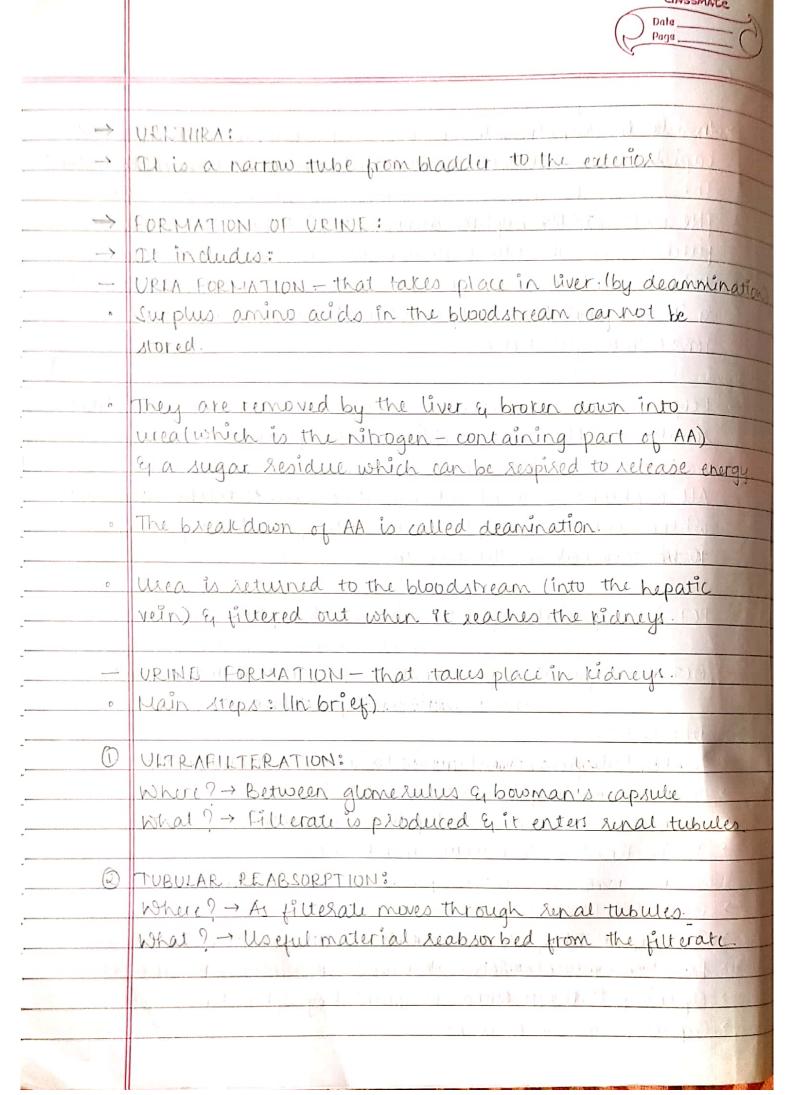
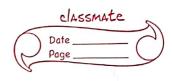
	_	Olaan: Winner Bladder
		Organ: Winney Bladder Function: Temporary Storage of wrine
		All all a south part and make the south and the south
	_	Os agone Us, these is reserved in the original million of the contract of
		Function: Passageway for the wine to move out of the
	44	body from usinaly bladdet.
	\	our of the contract of the state of the stat
	\Rightarrow	THE KIANEYS.
		renal capsule
	Ŷ	renal cortex
		and pyramid
		articly unal column
I		The survey of th
		Zonal polyis
		renal pewis
		vein vein zenal medula
	\rightarrow	STRUCTURE: 10 11 10 100 100 100 100 100 100 100 1
	_	The kidney has 3 main parts - · Correx
		· Medullar Marille
		hous million toge to just a like or Pelvisadopa off
		The pelvisaleads to the weter I want survey
	-	Between the cortex & the medulla, there is a structure
		called the nepheon.



	The rephion is where filteration of toxic materials
	from the blood takes place.
	Each nephron begins in cortex, loops down into the
	medulla, back into the cortex of then goes down
1/37	again through the medula to the pelvis. In the
	pelvis, the repheon join up with the weter.
	we start to me their more sent to an experience of the period of the sent of t
\rightarrow	NEPHRON:
,	bunch of tubule).
eff	er ent collecting duct
Co	Bowman's blood capillacies.
	renal vein > Loop of Henre.
(1)	Color Relations and the color
	The Converse of the converse o
\rightarrow	Nephron is structural q functional unit of the kidney?
\rightarrow	STRUCTURE: 1112
	The rephron starts with a cup shaped structure called
	BOWHAN'S CAPSULE. The capsule its about thown is
))))))	senal capsule q is responsible for ultrafilteration.
	and had ballow

10	
	Inside the capsule, there is a very dense network of blood
31	capillalies called GLOMERULUS, Its function is to deliver blood.
	The sea of the replace is traped of the particular
	The sest of the nephron is long wiled tube where materials
	filtered from the blood flow in. At some point the wiled
	tube is bentrin U-shape This part is called LOOP OF HENLE
	& it balances the amount of water & concentration of
The state of the s	ions/osmolegulation)
	1010010101010
1	Loop of Henre is surrounded by network of capillacies from
	senal vein. Here reabsorption takes place
	and the second of the second of aspect of
	All rephrons end at a large tube called collecting DUCT
4.12	where contents of nephron are transported to pelvis,
	to be secreted in the use ter.
	hus fell wait sugart for a light housens in with
	PCT is responsible for selective reabsorption.
A H	1
3 -3	Det is responsible for secretion of toxins into the views.
H. N	1 THE CONTRACTOR SALES OF THE S
\Rightarrow	VRETER:
	Extended from renal pelvis to urinary bladder.
\rightarrow	10-12 inches length, half an inch diameter
· ->	Wine drains from rehal pelvis into metter
\rightarrow	It is lined with nucus membranes.
	(a) The office of the first of the first of the second of
\rightarrow	URINARLYI BLANDOER: 1011 11 MINI MAZZILINI IA COMMININI
\rightarrow	It is pear-shaped, sactilike reservoir
-	Location - pelvic region
\rightarrow	Opening to the wethra is guarded by sprincter muscles
\rightarrow	Capacity - 400 cm² of wine

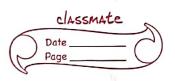




(3)	TUBULARI SECRETION: 11 MILLS OF MILLS OF INDIES OF INDIE
	Where 2 -> As filterate moves through renal tubules
	What? - Additional waste products removed from blood.
	→ Added to filterate in renal tubules.
in the second	The second secon
\Rightarrow	FILTERATION IN DIFFAMOR TOWN A MARKET WASHALL WITH
	Blood is brought to the renal capsule by the renal
7	altely: 1 - 10 18 19 19 19 19 19 19 19 19 19 19 19 19 19
da	Lard prisum book in rational and a lengt a quality of
	The blood is under high pressure, so molecules like that
	of water, urea, quicose mineral salts etc. are squeezed forced
	out of the holes in the capillary walls. Only large protein
	molecules remain behind along with blood cells (WBCs & RBCs)
	The second secon
\Rightarrow	REABSORPTIONE Hille and how the impropriet will be a substitute of the
\longrightarrow	The fluid in the renal capsule is a solution of glucose;
	salts gu uneas y six il baholu va pell ai la oride opellationalion a littere
	1. It is blood to expressor about the same of the control of
\rightarrow	The capsule leads to the PCT which reabsorbs all glucose
	via active transport & returns it into the blood.
We W	
\rightarrow	The PCT leads to the Loop of Henrie which realisation the
	water by osmosish I was on HAALD mit good war
	The device of the property of the part of
\rightarrow	The loop leads to the ACT which reabsorbs all minerals,
,	arino-acido quother 'useful' substanció by active transport.
\rightarrow	The flue de that remains contains excess water, wea a
1.15	dissolved mineral salts. This is called wine. It passes
1223	to the collecting duct now.
	Let the allowered productions of miles have and the
A STATE OF THE STA	The state of the s



5	
	The collection duct 1-me ather heathand join & tong
111111	The collecting ducts from other nephrons join & form
Land.	and the property and the property many to the property the Anney of Sandard
	Urine is stored in the bladder for excretion.
	111111111111111111111111111111111111111
·	The bladder takes wire out via the wrethran 11111
	so new Martin I make the lower to the Martin and Martin the Martin
	WATER BALANCE & OSMOREGULATION:
	Kidneys adjust the concentration of blood proving through
- Ironhin	them. I shake the company sage think in the mutuch house of the
Tearrol 11 Mas	and woner than almost mining bedievels is a squee
	If the blood is too d'ute, us water is absorbed from
11.4 4.44	the senal tubule many is it is a many a limit of the senal tubule in tubule in tubule in the senal tubule in tubule
	The state of the s
·	This is detected by hypothalanus (now blood water)
	the control of the season of t
	The pituitary gland is skimulated / signalled to
	release ABH into the blood stream
	The AAH Marek Call assess the lade
,	The ADH travels all over the body. Whom will not
) 🕁	Only the cells of the collecting duct of the rephrons
)///	have receptors of ADH, so only they respond to be
	the hormone
. ()	min 110 A froz dose do inter 10 th 1 th a child pour of the
	In response, the collecting duct becomes more permeable.
	J 22 11-01 0 30 11 90 30 11
	As a result, water is drawn out of the collecting
	duct back into the blood, Water level returns to normal.
	a company to the policy pair of the policy o
-K>	Osmoregulation is one example of homeostais.
X	
	Scanned with CamScanner



4	
\Rightarrow	DIALYSISISM MORNING IN TO THE RESIDENCE OF THE PROPERTY OF THE
→	It a person gets a kildney failure, which means his kidneys
	can't function anymore, they have to wash their blood
No.	on sigular basis that is an alternative to the aamaged
4	lidneys.
R. J	A TURE - A ENGANGER SHE SHE THE THE VALUE OF THE AND THE COMMITTED OF THE
<u></u>	This is called Dialysis. It is the method of removing one
1,6	or more components from a solution using the process of
	diffusion. unity non main manning -
	Wintered During in whater me and and in it had a little in
	During this process, a tube is attached to the patients
d).	vein; the tube is attached to the dialysis machine
100	on the other end hair all many singer atradament -
	PERSONAL TAKE OF THE POST OF STATE OF THE ANALYSIS
\rightarrow	There is another tube coming out of the machine to
1	thepatient's veining the more many many
1	The second of the confliction of the period of the confliction of the
1198-	The blood is sucked from the patients vein, it goes through
	the machine & again to the patient's vein
	A service of district the transfer of a left
\rightarrow	The tubes inside the dialysis machine are partially permeable
	to allow diffusion.
->	The tubes are also surrounded by with dialysis fluid
	which is the same as blood plasma
3.4	a will also there is a pulled to the second the second to
\rightarrow	As the blood moves 1through the machine:
	Concentration of urea decreases
<u> </u>	Water content increases l'decreases.
12	concentration of salt decreases.
	glucose increases I de creases I remains the same

