



INDIAN SCHOOL MUSCAT

SENIOR SECTION DEPARTMENT OF BIOLOGY CLASS X

Excretion

1	Name the blood vessel that brings nitrogenous wastes to the kidneys for removal	1									
2	Name the basic filtration unit present in the kidney	1									
3	Name the bunch of capillaries formed from the branch of the renal artery situated in the Bowman's capsule	1									
4	Glomerular filtrate initially it is about 180 liters and urine formed is approximately 1.5 to 2 liters in a healthy adult. How it can be correlated?	1									
5	Mention the location of the kidney in our body.	1									
6	Mention two factors on which the amount of water reabsorbed by the kidney depends	2									
7	Name two dissolved substances which are partially or completely reabsorbed from the kidney tubule back into the blood	2									
8	Mention the role of a) Nephron b) Ureters	2									
9	How is the amount of urine produced regulated?	2									
10	Name the following 1. Organ where ammonia converted into urea 2. Structure of the excretory system where urine is temporarily stored	2									
11	Complete the following table using the word bank given in the box below Word bank: 1. deoxygenated 2. oxygenated 3. With nitrogenous waste 4. Without nitrogenous waste	2									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Name of the blood vessel</th> <th style="width: 35%;">Renal Vein</th> <th style="width: 35%;">Renal Artery</th> </tr> </thead> <tbody> <tr> <td>Type of blood</td> <td>1</td> <td>2</td> </tr> <tr> <td></td> <td>3</td> <td>4</td> </tr> </tbody> </table>		Name of the blood vessel	Renal Vein	Renal Artery	Type of blood	1	2		3	4	
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12	<i>What are the methods used by plants to get rid of their excretory products</i>	3
13	<i>Name the procedure used in the working of artificial kidney. Briefly explain</i>	3
14	<i>a) Define excretion.</i> <i>b) Name the basic filtration unit present in the kidney</i> <i>c) Draw excretory system in human being and label the following organs of excretory system which perform following functions</i> <i>i) form urine</i> <i>ii) is a long tube which collects urine from the excretory organ</i> <i>iii) store urine until it is passed out</i>	5