

HARI VIDYA BHAWAN

Subject: English

Class-IX

Work sheet-11

Chapter 1 Revision (Moments)

DATE:- 28/04/2020,

Instructions to be followed:-

- 1. Students do your worksheet in any notebook such as rough notebook, previous year notebook, sheets etc. Whichever is available at your home No need to go outside.***
- 2. All the students must complete their worksheets as periodic test 1 mark will be given to those who completes it else you will have to go through pen paper test after the school reopens.***
- 3. See video links in every work sheets as it will help you to understand the topic.***
- 4. If you have any query related to worksheet, ask your queries in whatsapp group between 10:00 am to 12:00 pm in the morning and 4:00 pm to 6:00 pm in the evening.***
- 5. All the students must download NCERT app in order to read the chapters and also to write answers of the exercise.***

Questions for practice:-Learn and write.

Q1. How did the child react when there was no sign of his parents?

Q2. Where did the child go with his parents? What did he want there?

Q3. Why did the lost child refuse to take his favourite things in the fair after losing his parents?

Q4. How did the mother distract the child's mind from the toy seller?

Q5. How was the child separated from his parents? who rescued the lost child? what did he offer to buy him?

Q6. Parents were in hurry to reach the fair but the child was delaying them. How?

Q7. What was the first reaction of the child when he realized that he had lost his parents?

Link:- <https://youtu.be/kIIZHMMGnL8>

Grammar

Question 1

India is a highly populated country. People lack in maintaining proper sanitation and hygiene as a result they suffer from various diseases. India has a serious sanitation challenge; around 60 percent of the world's open defecation takes place in India. Poor sanitation causes health hazards including diarrhea, particularly in children under 5 years of age, malnutrition and deficiencies in physical development and cognitive ability. You are Nitish /Nikita, head boy/girl of Anand Public School, Jaipur. Write a letter to the editor of a national daily, highlighting the problem and suggesting practical ways to ensure public sanitation and the right to dignity and privacy. (100-120 words)



Question 2

write a short story, in about 200-250 words , give a suitable title also.

Long long ago there was an old man in a village . he was very interested in yoga. on a certain day he saw some yoga teacher conducting yoga classes in the field.....

Link:- <https://youtu.be/Xf9HNkfqtkl>

Question 3 : Rearrange the following words.

- a) Rewards/its /is/honestylown**
- b) Teaches us/our dealings/honest/religion/in/to be**
- c) Everywhere/and/a/and/happy/prospers/life**
- d) Leads/he/a/and/happy/prospers/life**

Question-4 Re-arrange the words:

- (a) algebra and / a week / me / geometry / twice / he taught**
- (b) very poor / subjects /I was / in these**
- (c) very / now / proficient / have become / in them /I**
- (d) migrate / birds / in winter / to south / from north**

Link: <https://youtu.beBMU52Bo8TbE>

Hari Vidya Bhawan
Class IX
Worksheet 11
Subject: Information Technology
L-4 Entrepreneurial Skills-1

Date : 28.04.20

Instructions to be followed :-

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Exercise 1

- Q1. Define cooperation business.
- Q2. Give some examples of sole partnership business.
- Q3. State two differences between private corporation and public corporation.

Exercise 2

- Q1. Name and explain four responsibilities for an entrepreneurship in a developing country India.
- Q2. Name any five awards that an entrepreneur achieve after a successful entrepreneurship.
- Q3. Explain five characteristics of an entrepreneur.

Activity:

Draw a diagram showing different characteristics of an Entrepreneurship. (refer pg no 115 of the book)

Click over the links to get knowledge of the topic:-

<https://youtu.be/92ZmzD70sOU>

<https://youtu.be/jtM5EoV6obY>

HARI VIDYA BHAWAN

Worksheet-12

Class-X

Subject-Science

Session-2020-21

Ch-6: Life Processes

Date:28/04/2020

Instructions to be followed :-

- 1:- Students do your worksheet in any notebook such as rough notebook, previous year notebook, rough sheets etc. whichever is available at your home. No need to go outside.
 - 2:- All the student must complete their worksheets as Periodic test 1 marks will be given to those who completes it else you will have to go through pen paper test after the school reopens.
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 - 4:- If you have any query related to worksheet, ask your queries in WhatsApp group between 10:00 am to 12:00 pm in the morning and 4:00 to 6:00 pm in the evening.
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Excretion -

Removal of harmful nitrogenous metabolic waste from the body is called excretion. Many wastes are produced during various metabolic activities.

- These need to be removed in time because their accumulation in the body can be harmful and even lethal for an organism.
- Unicellular organisms excrete by diffusion and multicellular organisms use specialized organ to perform same function.

Excretion in human beings

The human excretory system is composed of a pair of kidneys. A tube called ureter; comes out of each kidney and goes to the urinary bladder. Urine is collected in the urinary bladder, from where it is expelled out through urethra as and when required.

EXCRETORY SYSTEM

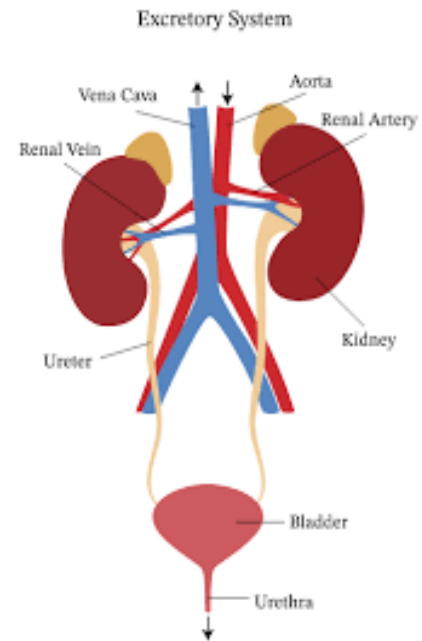
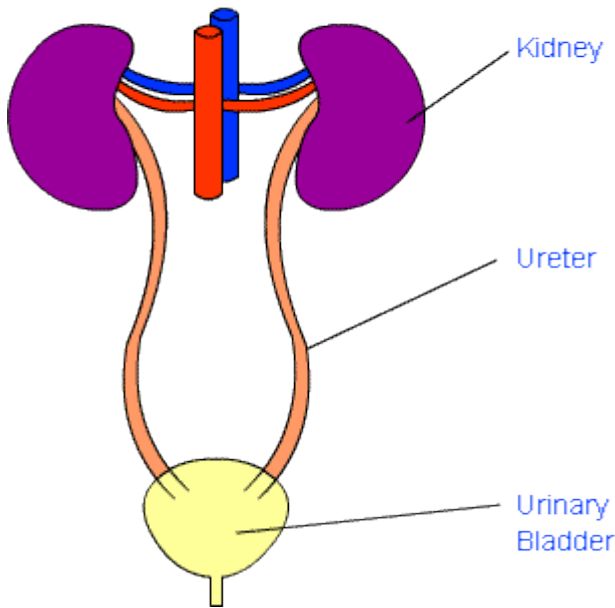


Fig : Human Excretory System

Kidney:

- Kidney is a bean-shaped organ which lies near the vertebral column in the abdominal cavity.
- The kidney is composed of many filtering units; called nephrons.

Nephron:

- Nephrons are basic structural and functional unit of kidney.
- It is composed of a tangled mess of tubes and a filtering part; called **glomerulus**.
- Glomerulus is a network of blood capillaries to which renal artery is attached. The artery which takes blood to the glomerulus is called **afferent arteriole** and the one receiving blood from the glomerulus is called **efferent arteriole**.
- Glomerulus is enclosed in a cup like structure ; called **Bowman's capsule**.
- The Bowman's capsule extends into a fine tube which is highly coiled. It consists of a long coiled tubule differentiated into proximal convoluted tubule, Loop of Henle and distal tubule .the distal tubule opens into the collecting duct.
- Tubes from various nephrons converge into collecting duct; which finally goes to the ureter.

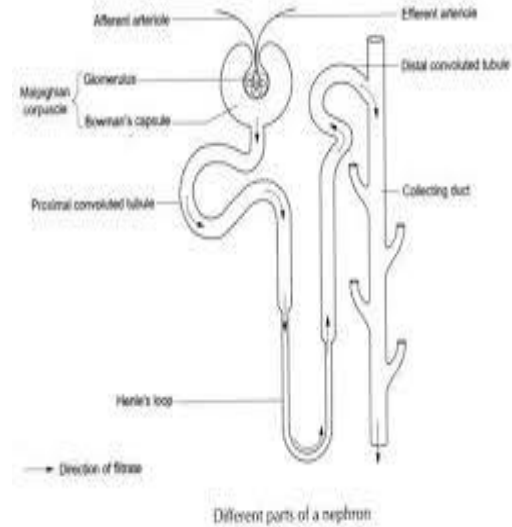
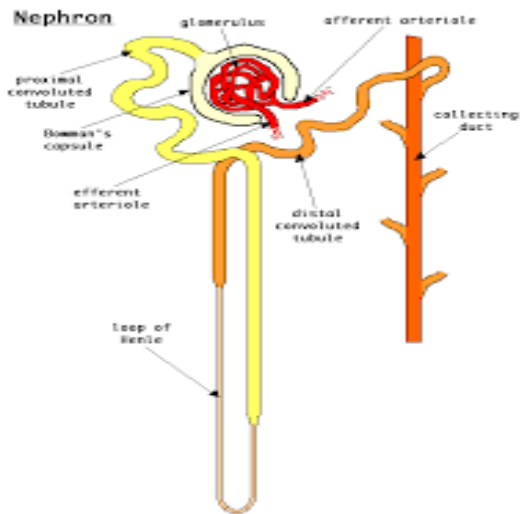


Fig: Structure of nephron

Functions of nephron:

- (i) Excretion of nitrogenous wastes.
- (ii) To maintain the water and ionic balance

Urine Formation in human:

The mechanism of urine formation involves the following steps:

1) **Glomerular Filtration:**

- Filtration happens because of very high pressure inside the glomerulus. The lumen of efferent arteriole is smaller than that of afferent arteriole.
- Due to this, the blood entering the glomerulus experiences very high pressure and due to this, the waste products are filtered out through the thin membrane of capillaries in the glomerulus.
- The filtered blood is sent to the systemic circulation through efferent arteriole and the filtrate goes to the Bowman's capsule. That is how urine is formed inside the kidneys.
- Blood is filtered in such a way that all the constituents of the plasma reach the Bowman's capsule, except proteins. Therefore, this process is known as **ultrafiltration**

2) **Reabsorption:**

- Reabsorption of water and some other filtrates takes place in the tubular part of the nephron. This increases the concentration of urine

- As the filtrate flows along the tubule useful substances such as glucose, amino acids, salts and water are selectively reabsorbed into the blood by capillaries surrounding the nephron tubule.

3) Secretion:

- Certain substances which are harmful and not needed by the body like ammonia, potassium, creatinine and hydrogen ions are secreted from the capillary blood into the lumen of distal tubule. This is called tubular secretion.
- The fluid entering the collecting tubule is called urine. It flows through the ureters into urinary bladder, where it is stored and discharged from time to time through urethra.

Urine

The urine produced is 95% water and 5% nitrogenous wastes. Wastes such as urea, ammonia, creatinine are excreted in urine. Apart from these, the potassium, sodium and calcium ions are also excreted.

Artificial kidney :

Haemodialysis: The process of purifying blood by an artificial kidney. It is meant for kidney failure patients.

Excretion in Plants -

- Plants do not have an excretory system. They remove waste substances through various parts of their body.
- Oxygen and carbon dioxide is diffused through stomata.
- Excess water is removed by transpiration.
- Many waste products get collected in old leaves and are removed with shedding of leaves, peeling of bark and felling of trees
- Resin and gum also contain waste substances.

Answer the following questions:

1. How is the amount of urine produced regulated?
2. The kidneys in human beings are a part of the system for
(a) nutrition. (b) respiration. (c) excretion. (d) transportation.
3. What is the main toxic waste kidney filters from the blood?
(Hint: check the answer from notes)
4. What is ultrafiltration? (Hint: check the answer from notes)
5. What is transpiration? (Hint: check answer from notes)

NOTE:

- ❖ Above questions are given from NCERT blue box questions and exercise (page no 112,113). For solution check the NCERT solution app.
- Click over the link to get the knowledge about structure of kidney:
https://www.youtube.com/watch?v=nzJaGF_YkTc
- Click over the link to get the knowledge about structure of nephron:
<https://www.youtube.com/watch?v=NDVKtqllOf4>

- Click over the link to get the knowledge about functions of nephron and urine formation:
<https://www.youtube.com/watch?v=4ujRS5poCP8>
<https://www.youtube.com/watch?v=tXXEn6ldLPY>

- Click over the link to get the knowledge about excretion in plants:
<https://www.youtube.com/watch?v=u0un--KmAyk>
<https://www.youtube.com/watch?v=OxERaJBjvds>
<https://www.youtube.com/watch?v=J0hjnC14uMM>