

Grade- VIII

PHYSICS

1. Give some examples of good conductor and poor conductor of liquids.

Ans. Diluted water-poor conductor

Tap water - good conductor

Lemon juice- good conductor

Vinegar-poor conductor

Cooking oils-good conductor

Milk-good conductor

Honey-poor conductor

Soda compounds-good conductor

Mercury-good conductor

2. Describe an experiment for the electroplating of an iron object with copper.

Aim: Electroplating an iron article with copper

Apparatus: Iron article, copper wire/strip, wire, battery, glass, Dil. copper sulphate solution.

Procedure:

Connect the copper wire to the cathode and iron article to the anode.

Place both of them in the glass ensuring that they do not touch each other.

Pour dilute copper sulphate solution (electrolyte) in the glass and switch in the battery.

A low voltage for a longer time will be preferred as the coating will be uniform and will not come off easily.

Reactions : $\text{Cu} \rightarrow \text{Cu}^{2+} + 2\text{e}^-$

$\text{Cu}^{2+} + 2\text{e}^- \rightarrow \text{Cu}$

3. Identify the following as electrolytes and nonelectrolytes.

a. Dil H₂O b. Benzene c. Petrol d. Zinc Chloride Solution e. Alcohol f. Common Salt Solution

a. Electrolyte

b. Electrolyte

c. Non-electrolyte

d. Electrolyte

e. Non-electrolyte

f. Electrolyte

4. What is LED?

Light-emitting diode (LED) is a semiconductor light source that emits light when current flows through it.

Electrons in the semiconductor recombine with electron holes, releasing energy in the form of photons.

5. Draw any diagram of voltmeter and label it.

Diagram

6. Give three examples of natural and manmade material.

things like sunlight air water soil sand and rocks are natural things man-made things

the things which are made by man are called man-made things chair jute bag table

sweater our few examples of man made things preserving the natural things man made things using the natural things

Fill in the blanks

1. Diamond

2. Bad conductor

3. Heating

4. Gold plated watch, copper plated mug, silver plated teapot

BIOLOGY

Fill in the blanks

1. Water

2. Vegetative propagation

3. Wool, fur

4. Spiracles

5. Forest

Answer the following (Answers)

1. The fluid connective tissue is blood and lymph

2. Xylem helps in transportation of water

3. Rabies, yellow fever

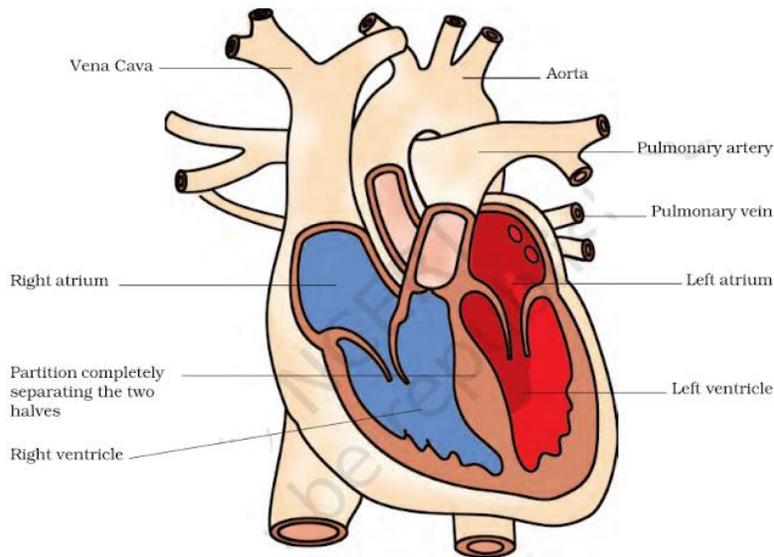
4. Soil pollution is when harmful pollutants and toxic chemicals are let into the soil causes the soil pollution

5. Parasites - A parasite is an organism that lives on or in host organism and get its food.

6. Forest act as natural absorber of rainwater and allows s. Because of roots of trees it drips slowly on the forest ground and prevents floods.
7. Balanced diet is a diet consisting of variety of different types of food and provide nutrients necessary food good health

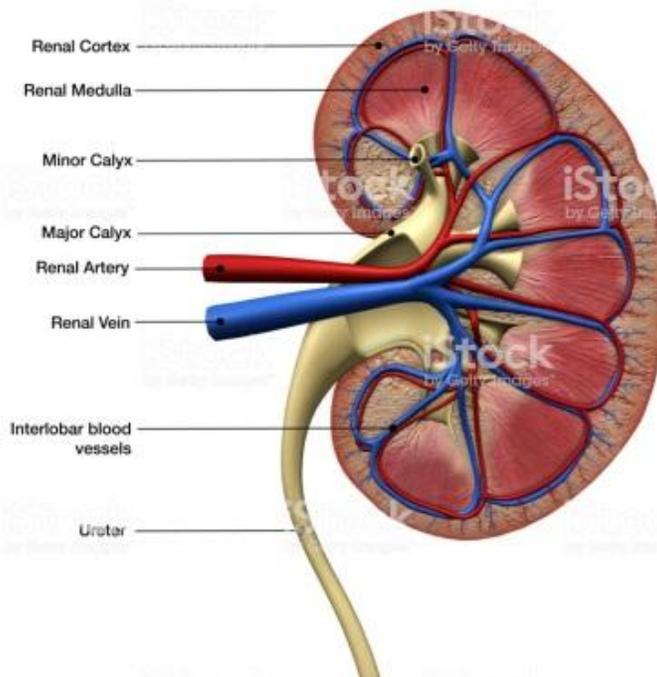
Skills

Heart diagram

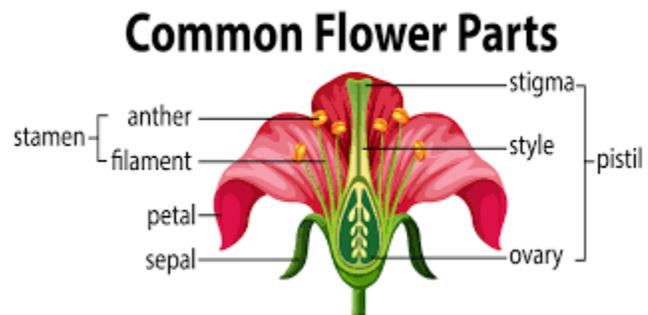


Sections of human heart

Human kidney diagram



Flower its parts diagram



I.

1. Plasma
2. xylem
3. removal of water from plants
4. leaves
5. Pseudopodia
6. Proteins
7. Erythrocytes
8. Climates
9. stomata
10. Humidity

II.

1. Because the source of almost all ages of the earth
Example :plants convert light energy from the sun into chemical energy (food)by process of photosynthesis
2. Human made chemicals ,industrial waste, agriculture chemicals ,improper disposal of wastage
3. Temperature, humidity ,rainfall and wind speed
4. What is mean by Shearing?
A) The removal of wool by cutting is called shearing
5. The insectivorous plants is a plant that catches and digests insects
Example: pitcher plants

III.

1. Microorganisms are tiny organisms which are can't be seen with naked eyes
 - Advantages that help in production of materials
 - Helps in preparation of vaccines
 - Helps in fermentation
2. self-medication is not a good advice ,the medication given by doctors are the medicine in required quantity to cure the disease, sometimes overdose may lead to death of a person
3. Covid-19 spreading by climate changes as the climate changes frequently sometimes may exhibit problem and creates new ones

IV.

1. Kidney plays an important role in the removal of waste from the body
Consist of following organs: two kidneys ureters, unary bladder, and urethra

Kidneys are bean shaped reddish brown colour present on back muscles in upper abdomen side of the body

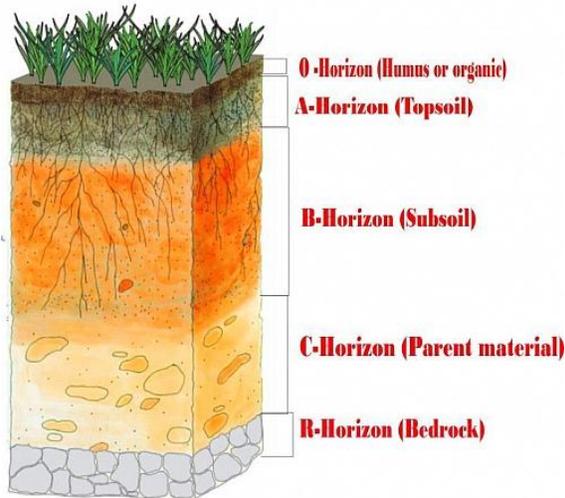
The ureter is a tube that carries urine from the kidney to urinary bladder

Urinary bladder is a sac like structure which stores urine

The urethra is a tubular structure that carries the urine from urinary bladder to outside.

Diagram : structure of kidney

2. Soil profile



- Horizon-uppermost layer, consists of leaves twigs
- A horizon- humus is present, dark colour
- B horizon-lies between A horizon and C horizon, rich in minerals
- C horizon-little or no plant or animal life
- Bedrock horizon-consist of Rock layers

3. Seeds disperse by different ways such as water air birds insects animals and human beings

4. Nutrition in amoeba

- It occurs through a process phagocytosis in which the entire organism engulfs the food.
- The mode of nutrition in amoeba is known as holozoic nutrition
- It has Ingestion, digestion, absorption assimilation, egestion
- Ingestion taking in food into body by swallowing and forms food vacuole
- Digestion breaking the large food into minute molecules

