

HOLIDAY HOMEWORK CLASS 6 (TO BE DONE IN A4 SHEET)

1. Make a list of food items generally taken by people of different regions of India (North, South, East and West of India) and show the regional diversity of food on India's map.

Take any **one** region you like and prepare a table as given below. List atleast 10 food items.

Example: NORTH INDIA

FOOD ITEM WITH PLANT AS THE MAJOR SOURCE	INGREDIENTS	PLANT PART WHICH GIVES US THE INGREDIENT
1. Potato curry	Potato	Stem
	Chilli	Fruit
	Mustard oil	Seed

2. Prepare collage on the topics:
 - Food from Animals
 - Food from Plants
3. Dry a plant specimen and paste it neatly on a paper. Label the parts of plant.
4. What are the ways we can think of to avoid wastage of food?
5. Prepare a model of balanced diet chart.

CLASS 7 HOLIDAY HOMEWORK (TO BE WRITTEN IN A4 SHEET)

1. Describe any three insectivorous plants with pictures with special reference to their mode of trapping the insects.
2. What are the different methods the farmer uses to replenish nutrients in the soil?
3. Draw a neat diagram of the human digestive system and write down the functions of the different parts.
4. Describe how you would devise an activity to show that saliva converts starch to sugar.
5. Draw a neat diagram to show digestion in amoeba with a neat diagram.

CLASS 8 HOLIDAY HOMEWORK (TO BE WRITTEN IN A4 SHEET)

1. Briefly describe the harvest festivals of different Indian states with pictures.
2. Read articles on the topic "The Endosulfan Tragedy in Kerala"
<https://borgenproject.org/the-endosulfan-tragedy-in-kerala/>
<https://www.downtoearth.org.in/coverage/health/tracking-decades-long-endosulfan-tragedy-in-kerala-56788>
<http://www.indiaenvironmentportal.org.in/files/IndiaEndosulfan.pdf>

Write an essay on the topic "Effects of Excessive Use of Chemical Fertilisers".

3. Collect new agricultural machine pictures and paste them neatly. Mention their names and uses. (Atleast 5)
4. Take gram or pea seeds and germinate them. Select 3 equal sized seedlings out of these. Now take 3 empty glasses or similar vessels. Mark them A, B and C. To glass A add little amount of soil mixed with a little cow dung manure. In glass B put the same amount of soil mixed with little urea (or any chemical fertilizer). Take the same amount of soil in glass C without adding anything. Now pour same amount of water in each glass and plant the seedlings in them. Keep them in a safe place and water them daily. Observe their growth for 10 days and make a daily report of it.
5. Draw neat diagrams of bacteria, fungi, algae, protozoa and viruses (2 each).

CLASS 9 HOLIDAY HOMEWORK

1. Make model of animal cell or plant cell.
2. Write short notes on Mitochondria, nucleus and plastids.
3. Differentiate between solids, liquids and gases.
4. Draw a neat diagram and describe the activity to show sublimation of ammonium chloride.
5. What are the factors on which evaporation depends?

HOLIDAY HOMEWORK (To be written on A4 Size sheet)

CLASS X SCIENCE

- 1) Write the name of first 18 elements write their symbol and electronic configuration.
- 2) Write the molecular formula for the following compounds.
 - a) Hydrogen chloride,
 - b) Magnesium chloride
 - c) Aluminium oxide
 - d) Calcium oxide
 - e) Sodium nitrate
 - f) Calcium hydroxide
 - g) Calcium carbonate
 - h) Ammonium sulphate
 - i) Aluminium chloride
 - j) Magnesium hydroxide
 - k) Zinc sulphate.
 - l) Magnesium Sulphate
- 3) Define cations and anions. Give 5 examples of each.
Give two examples of polyatomic ions.
- 4) State the laws of reflection of light.
- 5) Give two uses of concave and convex mirror in our daily life.
- 6) Define real and virtual image.
- 7) Make a model or chart of any one of the systems
 - a) Digestive system
 - b) Circulatory system
 - c) Respiratory system
 - d) Excretory system