



**HOLIDAYS HOMEWORK**  
**CLASS – V**

**SUMMER BREAK 2018-19**  
**SUBJECT- SCIENCE**

**Instructions-**

- All the holiday homework should be done in holiday homework notebook
- Use A4 size pastel sheets if required.

**1. Project : Plant your seeds**

Take a clay pot or a tin can with a wide mouth. Make a small hole at the bottom of the can. Fill your can with soil. Put four or five seeds of the same kind in the soil and press them gently. Different group can plant different kinds of seeds, such as mustard (sarson), Fenugreek (methi), sesame (til) or coriander (dhania).

**Write**

Name of the seed: \_\_\_\_\_

The date on which you planted them: \_\_\_\_\_

The day you observe something coming out of the soil, start filling the table:

Date	Height of the plant (in cm)	Number of leaves seen	Any other change

**Find out**

- \_ How long did it take for the plant to come out from the soil?
- \_ What was the difference in the height of the plant on the first and second day?
- \_ On which day did the height of the plant increase the most?
- \_ Did new leaves come out of the plant every day?
- \_ Was there any change in the stem of the plant?

**Discuss**

- \_ Which seeds took the most number of days for the stem to come out of the soil?
- \_ Which seeds took the least days to come out of the soil?
- \_ Which seeds did not grow at all? Why?
- \_ Did anyone's plant dry up or turn yellow? Why did this happen?

\_ What would happen if the plants do not get water?

### **Straight from your heart**

\_ What is inside the seed?

\_ How does a big plant grow from a tiny seed?

**NOTE - Snapshots should be taken for each seed germination taking place at different stages and pictures should be pasted on A4 pastel sheets along with explanation.**

## **2. Creative browsing on internet**

### **Check on the internet regarding farming done in your state.**

Answer the following questions

- What are the different types of crops grown in different seasons in your state? (paste relevant pictures).
- What type of soil (colour, grain size, water holding capacity) is present in your state?
- What are the water and nutrient requirement of major crops of the region?

## **3. Answer the following questions**

### **C1 - More about plants-**

- Dandelion seeds are dispersed by wind. Why?
- Farmers add fertilizers or manure to the fields. Why?
- Dispersal of seeds is essential for proper growth of plants. Why?
- List the conditions necessary for germination.
- How are the seeds of the plants dispersed?
- Why are all the seeds produced by plants unable to grow into new plants?
- What are the different ways by which farmers can increase the production of their crops?

### **C2 - Animals in their surroundings**

- Give four examples of terrestrial animals.
- Write the names of animals, plants and other objects found in different surroundings In Forest, on Mountains, In the desert and in the sea.
- What is the respiratory organ in: - a) Fish b) Earthworm c) Frog d) Insects.
- Which of the things in the following list are nonliving:- a) Plough b) Boat c) Mushroom d) Water hyacinth e) Sewing Machine f) Earthworm g) Radio
- Tick the animals which can live in water as well as on land:- a) Frog b) Duck c) Crocodile d) Human fish e) Monkey
- Write True/ False
  - Animals grow throughout their life.
  - All living beings response to stimuli.
- Define Habitat.
- How does light brown colored skin of lion helps them to live in forest?
- Dolphins come out to the surface from time to time. Why?
- What is the significance of blow holes in whales?

### **C13 - States of matter**

- I. What is evaporation?
- II. Write the difference between miscible and non-miscible liquids.
- III. Why bubbles are formed on the sides of vessels and at the bottom of water when water starts boiling?
- IV. How are cold drinks made fizzy?
- V. Name the following
- VI. Anything that occupies space and has mass.....
- VII. A liquid in which solid dissolves.....
- VIII. A homogeneous mixture of solute in a solvent.....
- IX. A hard substance which has definite shape and volume.....
- X. A mixture of salt and water is called.....