

SENIOR SECTION
DEPARTMENT OF BIOLOGY
CLASS IX
CH-15 IMPROVEMENT IN FOOD RESOURCES
WORKSHEET -I

ONE MARK QUESTIONS

1. Name two weeds which compete for food, space and light with the main crop.
2. Give one advantage of building small check dams to stop the rain water from flowing away.
3. Plants get carbon, oxygen and hydrogen from_____ and _____.
4. Name the revolutions to increase food and milk production.

TWO MARKS QUESTIONS

5. Define hybridization and its types.
6. Enumerate two differences between mixed cropping and intercropping.
7. Give two advantages of using manure over fertilizer.
8. State any four factors for which crop variety improvement is done.
9. Define the term photoperiod. State its significance.

THREE MARKS QUESTIONS

10. Mention the three different ways in which crop plants can be attacked by insect pests. Suggest one control measure and two preventive measures against pests.
11. What is irrigation? Explain any two kinds of water resources available to supply water for irrigation.
12. Farmers should use quality seeds, adopt irrigation, use fertilizer if needed and use crop protection measures. Justify the statement giving reasons.

FIVE MARKS QUESTIONS

13.
 - a) Differentiate between macro nutrients and micro nutrients.
 - b) Briefly describe the formation of compost. What is vermi-compost?
 - c) Name the plants used as green manure and the nutrients they supply to the soil.
14. Mr.Raghuvir singh has 30 cents of land and still believes in joint family system so his two sons with their families live together. Earlier the land gave good yield of crops now the yield has drastically reduced. His grandson showed these two methods of cropping patterns (farming) as a solution.
 - a) Identify the two methods shown in the fig. A & B.
 - b) State the advantages of these two methods.
 - c) Comment on the suggestions given by his grandson.
 - d) Explain organic farming.

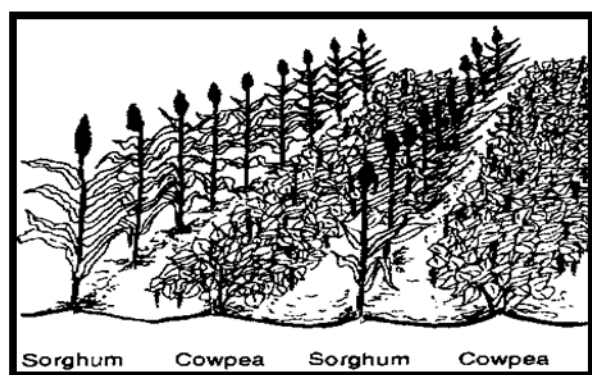


FIG. (A)

	Plot A	Plot B	Plot C
Year 1	Roots 	Brassicas 	Legumes & Salads
Year 2	Legumes & Salads 	Roots 	Brassicas
Year 3	Brassicas 	Legumes & Salads 	Roots

FIG. (B)

ENRICHMENT WORK SHEET- I

1. Which one is not a source of carbohydrate?
a) Rice b) Millets c) Sorghum d) Gram
_____.
2. State two objectives of organic farming.

3. Choose the correct options given about manure: (i) Manure contains large quantities of organic matter and small quantities of nutrients. (ii) It increases the water holding capacity of sandy soil. (iii) It helps in draining out of excess of water from clayey soil. (iv) Its excessive use pollutes environment because it is made of animal excretory waste.
(a) (i),(ii)& (iv) (b) (i), (iii)&(iv) (c) (i),(ii) and (iii) (d) only(iv)
4. What are weeds? Mention any two methods of preventing the growth of weeds?

5. Fill in the blanks :
(a) Kharif crops are cultivated from _____ to _____.
(b) Rabi crops are cultivated from _____ to _____.
(c) Paddy, maize, green gram, soyabean, cotton, pigeon pea, ground nut and black gram are _____ crops.
(d) Wheat, gram, pea, mustard, linseed, barley, potato, tomato, cumin, oat and fenugreek are _____ crops.
6. What is a GM crop? Name any one such crop which is grown in India.

7. State the two major factors to be considered while aiming for optimum yields in crop production.

8.



FIG: A



FIG:B



FIG:C

Arvind returned to his village in agra after completing his M.Sc in Agricultural sciences. He saw the condition of the storage of food grains shown in **fig.A**. He suggested the simple method shown in **fig.B** as immediate remedial method but later after educating farmers, he wants to at least introduce the method shown in **fig.C**.

a) List the two factors responsible for the loss of food grains shown in **fig.A**.

b) Give two values which are inculcated in Arvind's attitude towards the villagers.

c) List two preventive and control measures to be used before grains are stored for future use in **fig.C**.
