



Case Studies:



Case Study 1: Rohan visited a farm with his friend for a survey. The gardener told them that the loosened soil helps in the growth of earthworms and microbes present in the soil. These organisms are friends of the farmer since they further turn and loosen the soil and add humus to it.

1. What is the process known as for loosening the soil?
2. Why the microbes and earthworms are called the farmer's friends?
3. Define the term humus.
4. Name a modern device used to loosen the soil within a short duration of time.



Case Study 2: One day Rdhika saw her grandfather who was a farmer to put 50 kilograms of paddy seeds in a vessel and pour some water on them before showing them into the field. After a few minutes some seeds started to float on top. She wonders why some seeds float on water.

1. What can we guess about the seeds which were floating on the water surface?
2. What is the use to put the seeds in water?
3. Is this step taken by the grandfather related to any agricultural practice? If so, name and define that practice.
4. The grandfather told that it is a simple process of segregation. What is to be segregated from what by this simple process?
5. Why is this segregation necessary?



HOT Questions:

1. Why wheat is not cultivated in West Bengal in remarkable amount where as in Madhya Pradesh?
2. Earlier, farmers in northern India used to grow legumes as fodder in one season and wheat in the next season. Explain why?
3. Water-logging is required of Paddy crops but not for wheat. State the reason.
4. 'Gluten' is a nutrient protein found in cereal crops. Then which of the grains among Rice and Wheat?
5. Why paddy cannot be grown in the winter season?
