



SRI SARADA DEVI VIDYA KENDRA
SHIVANAHALLI

Name :

Class: 7

Replenishment of nutrients in the soil

Subject: Science

Topic: 14

Day 1

1. What are the methods used by the farmers to enrich the soil fertility in your surroundings?
2. What are the nutrients required for the enrichment of soil?
3. Why do the farmers change the patterns of crop in the same land?
4. Why is soil so important for the growth of a plant?
5. Can plants grow without soil?



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Day 2 & 3

Read page number 7 and 8(How nutrients are replenished in the soil) in chapter “Nutrition in plants”. And also watch the video (ssvk.in topic 14).

- 1. How is the growing of a leguminous crop in the fields beneficial to the farmers?**
- 2. How nutrients are replenished in the soil by adding fertilizers and manures?**
- 3. Which mineral nutrients are important to plants?**
- 4. How do plants get these nutrients?**



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5. From where do the plants obtain nitrogen?
6. Where do Rhizobium bacteria live? How does Rhizobium help to maintain the fertility of the soil?
7. Asha went to visit her grandfather in his village. He was having a serious discussion with his fellow members regarding the productivity level of crops for the present year. They all were worried about how to increase the productivity of crops. Asha listened to this and then suggested to the group that the reason may be a decreased level of minerals in soil.
She told her grandfather to plant crops like pulses, gram, beans, etc., for a year then follow with regular crops. This will increase the crop productivity.
- (a) What will you name the process suggested by Asha? Why is there a decrease in crop productivity?
- (b) What are noted benefits of this process? Will the results be as what Asha expressed?



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c) Why do farmers grow beans and pulses in one season and ragi and paddy during the other season.

Day 4

- 1. When do you find the plants fresh and green?**
- 2. What do people do to the stubble after farming in your village?**
- 3. Can you think of any other way of utilizing the same in order to enrich the soil?**
- 4. What happens to the soil each time crops are grown?**