

# VIDYA BHAWAN BALIKA VIDYAPEETH

## STUDY MATERIAL SCIENCE CLASS-VII

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### ▶ Nutrition in Plants

#### **Synthesis of plant food other than carbohydrates:**

- The carbohydrates are made of carbon, hydrogen and oxygen. These are used to synthesis other components of food such as proteins and fats. But proteins are nitrogenous substances which contain nitrogen.
- Nitrogen is present in abundance in gaseous form in the air. However, plants cannot absorb nitrogen in this form. Soil has certain bacteria that convert gaseous nitrogen into a usable form and release it into the soil. These are absorbed by the plants along with water.
- Also, you might have seen farmers adding fertilisers rich in nitrogen to the soil. In this way the plants fulfil their requirements of nitrogen along with the other constituents. Plants can then synthesise proteins and vitamins.