



BIOLOGY

BOOKS - PSEB

MINERAL NUTRITION

Exercise

1. 'All elements that are present in a plant need not be essential to its survival'. Comment.



Watch Video Solution

2. Why is purification of water and nutrient salts so important in studies involving mineral nutrition using hydroponics?



[Watch Video Solution](#)

3. Explain with examples: macronutrients, micronutrients, beneficial nutrients, toxic elements and essential elements.



[Watch Video Solution](#)

4. Why is that in certain plants deficiency symptoms appear first in younger parts of the plant while in others they do so in mature organs?



[Watch Video Solution](#)

5. If a plant shows a symptom which could develop due to deficiency of more than one nutrient, how would you find out

experimentally, the real deficient mineral element?



Watch Video Solution

6. Why is that in certain plants deficiency symptoms appear first in younger parts of the plant while in others they do so in mature organs?



Watch Video Solution

7. How are the minerals absorbed by the plants?



[Watch Video Solution](#)

8. What are the conditions necessary for fixation of atmospheric nitrogen by Rhizobium. What is their role in N_2 -fixation?



[Watch Video Solution](#)

9. What are the steps involved in formation of a root nodule?



Watch Video Solution

10. Which of the following statements are true? If false, correct them: Boron deficiency leads to stout axis.



Watch Video Solution

11. Which of the following statements are true? If false, correct them: Every mineral element that is present in a cell is needed by the cell.



Watch Video Solution

12. Which of the following statements are true? If false, correct them: Nitrogen as a nutrient element, is highly immobile in the plants.





[Watch Video Solution](#)

13. Which of the following statements are true? If false, correct them: It is very easy to establish the essentiality of micronutrients because they are required only in trace quantities.



[Watch Video Solution](#)