

National Institute of Open Schooling

Lesson 8- Absorption, transport and Water Loss (Transpiration) in Plants

Worksheet-8

1. How does the fragrance of an incense (agarbattis) stick or perfume spread across nearby places? Explain the phenomenon with reason.
2. What will happen if a cell is placed in a hypotonic solution? Explain the phenomenon.
3. Do you think that transpiration is a basic evil? Explain with reasons.
4. Name and explain the two pathways through which water flows inside the plants.
5. "Cell membrane, mitochondrial membrane and nuclear membranes are selectively permeable." Justify this statement with suitable reasons.
6. Explain the process by which water is lifted up to the huge height in tall trees like pine and Eucalyptus.
7. How can you compare the translocation of food and transport of water in plants?
8. Draw the path of the water movement from soil to the atmosphere through a plant with brief description.
9. Discuss the effect of evaporation and transpiration on absorption of water.
10. How does transpiration take place in bark of old trees? Explain.