Biology (New Book) - 9th Class Biology English Medium Chapter 9 Preparation

Q1. State the roles of nitrogen and magnesium in plants.

Ans 1: Nitrogen is a componet of proteins, chlorophyll and enzymes. it tatalyzes biochemical reactions withn plant cells. Magnesium is componet of chlorophyll it activates many enzyme.

Q2. What is Active transport

Ans 1: It is a movemnt of molecules acoss a cell memebrane from a low concentration to a high concentration using energy.

Q3. Define transpiration and its types.

Ans 1: Define
The loss of water in the form of vapours from plant surface is called transpiration.
Tupes:
1. Stomatal transpiration
2. Cuticular transpiration
3. Lenticular transpiration.

Q4. Define nutrition

Ans 1: Nutrition means the processes in which food is prepaed or obtained and converted into body substances for growth and energy.

Q5. Define excretion

Ans 1: Teh process by which metabolic wastes are eliminated from body to maintain the internal conditions at equilibrium is called excretion e.g. urea, salts of uric acid and water are eliminated out of body through excreation.

Q6. Hoe dows the balace between phtosynthesis and respiration affect gas exchange during the day and night.

Ans 1: During the day leaves are releasing oxygen and taking carbon dioxide from the environment. During night all cells are carring out respiration while taking in oxygen and releasing carbon dioxide.

Q7. Define the term Transpiration.

Ans 1: The loss of water in the form of vapours from plant surface is caleld transpiration.

Q8. Whhat is transport in plants.

Ans 1: Transport means the movement of substances, such as water, nutrients, hormones, and waste products within an orgnisms.

Q9. Define Exylem

Ans 1: Xylem: It is the vascular tissue responsibel for the transporting wagter and minearsl absorbed by tehroots from the soil to the past of the plants.

Q10. Define minerla nutrition in plants.

Ans 1: Plants get their food from a process called photosyntheis. But for the synthesis of other biomolecues, they need other materials from soil. Such material are called mineral nutrients and the process through which these special chemicals absorbed from soil that are essentialf or the plants to grow is called mineral nutrition.
