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

Q1. Define Active Transport

Ans 1: It is a movement of molecules across a cell membrane from a low concentration to a high concentration using energy.

Q2. What is transpirational pull.

Ans 1: Leaves apply a pulling force on water present in roots. The pulling force in leaves is crated by the transpiration of water from their surface Therefore, it is called ttranspirational pull.

Q3. What is the role of stomaa in plant gas exchange.

Ans 1: Stomata are tiny pores on the leaf surface taht regulates that exchange of gases between the plant and the atmosphere. They open to allow carbon dioxide to enter for photosynthesis and oxygen to exit

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Q4. How would you distinguish between nutrition and nutrients.

Ans 1: Nutrition: Nutrition means the process in which food is prepared or obtained and converted into body substances for growth and energy.
Nutrients: Nutriensts are the substances required by organisms for energy growth, repair and maintenance

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Q5. Write Role of Magnesium

Ans 1: i. Magnesium is part of the chlorophyll.
ii. It also activates many plant enzymes needed for growth.
iii. It also helps in fruit formation and germination of seeds.
iv. Plant roots absorb magnesium in ionic form

Q6. State the roles of nitrogen and magnesium plants.

Ans 1: Nitrogen is a componetn of proteins chlorophyll and enzymes. it catalyzes biochemical reactions within platn cells magnesium is a component of chlorophyll it activate many enzyme.

Q7. What are teh types of plants on the basis of habitats.

Ans 1: i. Mesophytes ii. Hydrophytes iii. Xerophytes iv. Halophytes

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Q8. Which factos affects the rate of transpiration.

Ans 1: i. Temperature ii. wind iii. Humidity
iv. Surface area and distribution of stomata

Q9. Define Epidermis

Ans 1: The outermost covring of the root is called epidermis It is a single layer of cells.

Q10. Define mineral nutrition in plants.

Ans 1: The materials that platns need for the synthesis of biomolecules are called mineral nutrients. The process of absorptionof mineral nutrients from soil is called mineral nutrition.
