

## Plant Physiology

Sr	Questions	Answers Choice
1	Most of the uptake of water and minerals from soil takes place through	A. Root cap B. Root hair C. Epidermal cells D. Root
2	The sugar moves through phloem is mostly in the form of.	A. Sucrose B. Lactose C. Maltose D. Glucose
3	The primary function of root hairs is.	A. Synthesis of proteins B. Increase surface area for absorption C. Storage of food D. Transport of nutrients
4	When the rate of photosynthesis become equal to that rate of respiration in the plant body, which of the following pattern of gaseous exchange occurs between plant and its environment.	A. Carbon dioxide is absorbed, and oxygen is released B. Oxygen is absorbed, and carbon dioxide is released C. Neither carbon dioxide nor oxygen are absorbed D. Both carbon dioxide and oxygen are absorbed
5	Which of the following is not function of roots in plants.	A. Photosynthesis B. Absorption of water C. Anchor the plant D. Nutrient absorption
6	Under which condition, there will be high rate of transpiration?	A. High humidity B. Low light intensity C. Water logged soil D. Wind
7	The transpiration is regulated by	A. Xylem B. Phloem C. Guard cells D. Mesophyll
8	All of the following are the adaptation of xerophytes except.	A. Thick cuticle B. Sunken stomata C. Deep root system D. Large number of stomata
9	Which of the following are not types of transpiration.	A. Root B. Stomatal C. Cuticular D. Lenticular
10	Water moves from the soil into root cells by	A. Bulk flow B. Facilitated diffusion C. Osmosis D. Active Transport
11	Maintenance of internal body temperature is called.	A. Osmoregulation B. Thermoregulation C. Transpiration D. Excretion
12	Which ion plays a role in the opening of stomata.	A. Sodium B. Potassium C. Calcium D. Magnesium
13	What are the roles of stomata in plants.	A. Gaseous exchange B. Water absorption C. Transpiration D. Nutrient uptake
14	Succulent organs are present in .	A. Halophytes B. Xerophytes C. Hydrophytes D. Mesophytes

15	Root hairs absorb salts from soil by	A. Diffusion B. Filtration C. Active transport D. Osmosis
16	According to pressure-flow theory one of the following is not a sink	A. Leaves B. Fruits C. Root D. Stem tubers
17	When you suck a cold drink using drinking straw, it resembles with.	A. Diffusion B. Flow of material in phloem C. Flow of material in xylem D. Root pressure
18	Which component is not the part of the plant's vascular system.	A. Stomata B. Phloem C. Xylem D. Root hairs
19	Which of the following is not a characteristic of xerophyte.	A. Have deep roots B. Have broad leaves C. Less number of stomata is present D. Presence of parenchyma
20	What is the role of companion cells in the translocation process.	A. They store excess solutes in the phloem B. they assist in the absorption of water by roots C. They actively transport sugars into the phloem's sieve tube elements D. They help regulate water potential in the xylem