

Episode No:20
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Date:

Plant Physiology

*Transport proteins in facilitated diffusion is made up of _____ types of aquaporins

- a) 4 b)8 c)12 d)16

Ans: b

*Simultaneous movement of 2 molecules across a membrane in the same direction is known as
a)Symport b)Antiport c)Uniport d)none of these

Ans: a

*In an inverted thistle funnel osmoscope,the pressure required to prevent water from differing in the funnel is called

- a)osmotic potential b)Osmosis
c) Solute potential d)Osmotic pressure

Ans: d

*Phenomenon of plasmolysis occurs when

- a) Cells are kept in isotonic solution
b) Cells are kept in Hypotonic solution
c) Cells are kept in Hypertonic solution
d)None of these

Ans: c

*Which factor will result in reduction of transpiration

- a)High temperature b)High wind speed
c)Dry breeze d)cool and moist atmosphere

Ans:d

* A cobalt chloride _____when transpiration is not happening

- a)turns to pink b)is colourless
c)truns to blue d)turns purple

*Guttation result because of _____

- a) Transpiration b)Active breathing
c)Opening of stomata d)Root pressure

Ans:d

*Munch hypothesis is based on _____

- a) Translocation of food due to turgor pressure gradient
- b) Translocation of food due to Imbibition force
- c) Translocation of food due to turgor pressure and Imbibition force
- d) None of these

Ans: a

*Appearance of brown spots surrounded by chlorotic veins is a prominent toxicity symptom of

- a) Mo b) Mn c) Mg d) Zn

Ans: b

*The technique of growing plants in a nutrient solution in the absence of soil is _____

- a) Hybridoma b) Hybridization c) Hydrostatic pressure d) Hydroponics

Ans: d

*The conversion of ammonia into nitrates and nitrites is called _____

- a) Ammonification b) Nitrification c) Denitrification d) All of these

Ans: b

*"Marginal Chlorosis" on the leaves occur due to the deficiency of _____

- a) K b) N₂ c) S d) P

Ans: a

*If the size of fruit diminished in plants which mineral ion should be added to soil

- a) Copper b) Calcium c) Boron d) chloride

Ans: c

*Which element are not remobilize from senescence part of the plant body

- a) P and S b) N₂ c) K d) Ca

Ans: d

*Splitting of water during light reaction requires which mineral ions

- a) Mn & Cl b) Mg & Mo c) Fe & Ca d) Cu & Zn

Ans: a

*Insectivorous plants are depend on insects for their deficiency of _____

- a) Sulphur b) Nitrogen c) Carbon d) Oxygen

Ans: b

*Nitrogen cannot be absorbed in which of the following ways in plants

- a) NH₃ b) NH₄ c) NO₃⁻ d) NO₂⁻

Ans: b

