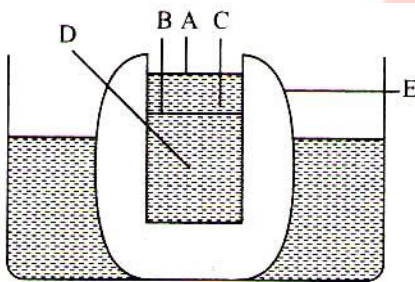


c) Plant development without soil

d) Plant development in saline soil

11. Imbibition is always accompanied by swelling or increase in the volume of imbibant However, the increase in the volume of the imbibant is
- More than the volume of water imbibed
 - Same as the volume of the water imbibed
 - Less than the volume of the water imbibed
 - Depends upon the type of imbibant
12. Which of the following is responsible for the transport of water and minerals from roots to stems, leaves, flowers and fruits in rooted plants?
- Xylem
 - Phloem
 - Either (a) or (b)
 - Both (a) and (b)
13. Loss of liquid water by guttation occurs through
- Hydathodes
 - Stomata
 - Cuticle
 - Bark
14. The process by which water is absorbed by solids like colloid causing them to increase in volume, is called
- Osmosis
 - Plasmolysis
 - Imbibition
 - Diffusion
15. Choose the correct combination of labeling of the potato osmoscope experiment.



- A-Final level
C-Initial level
E-Potato tuber
B-Dotpin
D-Sugar solution
- A-Initial level
C-Final level
E-Potato tuber
B-Dotpin
D-Water
- A-Final level
C-Initial level
E-Potato tuber
B-Dotpin
D-Water
- A-Final level
C-Initial level
E-Container
B-Dotpin
D-Water

16. How will you distinguish between the method of transport between xylem and phloem?
- Active transport move xylem but not phloem sap
 - Transport, in xylem is unidirectional and saps move upward, while phloem sap moves ups and down
 - Transpiration does not move xylem sap, but it moves phloem saps
 - Transport of substances take place from source to sink by both the tissues
17. Which one of the following is not an antitranspirant?
- PMA
 - BAP
 - Silicon oil
 - Low viscosity

18. Statoliths are involved in
a) Phototropism b) Hydrotropism c) Chemotropism d) Gravitropism
19. In plasmolysed cell, the space between nucleus and plasma membrane is occupied by
a) Hypotonic solution b) Hypertonic solution
c) Isotonic solution d) Air
20. The sugarcane plant has
a) Dumb bell-shaped guard cells b) Pentamerous flowers
c) Reticulate venation d) Capsular fruits



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