



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

WORK SHEET – 26

Class: IX

Sub: Transpiration

Date: 13.05.2020

Topic- Transpiration Part 1

F.M. : 15

Choose the correct option:

(1x15=15)

- The loss of water from the aerial parts of the plants -
a) Evaporation b) Photorespiration c) Transpiration d) None of these
- The following are the types of transpiration :-
a) Cuticular b) Lenticular c) Stomatal d) All of these
- The waxy layer on the leaf which prevents transpiration:-
a) Cuticle b) Epidermis c) Lenticel d) None of these
- Loss of water vapour through the cuticular surface of leaf :-
a) Stomatal transpiration b) Cuticular transpiration c) Lenticular transpiration
d) All of these
- Lenticels are _____ shaped structure found on the bark of tree :-
a) Reniform b) dumb bell shaped c) Lens shaped d) Drum shaped
- The loose mass of cells found in the Lenticel which help in Transpiration are called :-
a) Epidermis b) Periderm c) Complimentary cells d) Cortical cells
- Loss of water through the pores of leaves called :-
a) Cuticular transpiration b) Lenticular transpiration c) Stomatal transpiration
d) Guttation
- Lenticels are found in :-
a) Periderm b) Fruit walls c) on leaf d) both (a) and (b)
- Stomata are found on:-
a) Leaves b) Young Stem c) floral parts d) Submerged hydrophytes
- The percentage of transpiration by stomatal transpiration is:-
a) 80-90 % b) 10-15 % c) 20-30 % d) 5-10 %
- The scientist who proposed potassium infiltration theory :-
a) Steward b) Levitt c) Dixon and Jolly d) none of these
- During the night the PH in the guard cell becomes 5 due to the synthesis of:-
a) Oxaloacetic acid b) Citric acid c) Malic acid d) Hydrochloric acid
- The infiltration of potassium ion inside the guard cell results in the formation of :-
a) Malic acid b) Potassium malate c) Potassium chloride d) Potassium acetate

14. The closure of the stomata is brought about when :-
a) Guard cell becomes turgid b) Guard cell becomes flaccid c) Chloroplast in the guard cell break down d) None of the above
15. According Starch-Sugar Inter conversion theory :-
a) Starch gets converted glucose-1- phosphate b) Starch remains unchanged c) Sugar gets converted to starch d) none of these

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