



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

WORK SHEET – 27

Class: IX

Sub: LIFE SCIENCE

Date: 14.05.2020

Topic: Transpiration-Part 2

F.M. : 15

Choose the correct option:

(1x15=15)

- The rate of transpiration is influenced by -
 - External factor
 - Internal factor
 - Both external and internal factor
 - None of them
- External factors of transpiration :-
 - Humidity of air
 - Wind
 - Light
 - All of these
- What is not an internal factor responsible for transpiration:-
 - Leaf structure
 - Temperature
 - Enzymes
 - Density of root
- The effect of high humidity in the air results :-
 - Increase in the rate of transpiration
 - No effect on Transpiration
 - Decreases the rate of Transpiration
 - none of these
- The low wind velocity affects the transpiration:-
 - Water vapour accumulates around the leaf
 - water vapour enters the leaf
 - Water vapour brings more wilting
 - None of these
- Transpiration increases with:-
 - Decrease in atmospheric pressure
 - decrease in sun light
 - low wind velocity
 - all of these
- Fall in temperature affects the transpiration as follows :-
 - No effect
 - Reduces the rate of transpiration
 - Increases the transpiration
 - All of these
- The amount of water in the soil causes _____ effect on transpiration.
 - Indirect
 - Direct
 - no effect
 - None of these
- Xerophytic plants have lower rate of transpiration because of:-
 - Sunken stomata
 - Thick cuticle
 - presence of spines
 - All of these
- The hormone which is called as a natural anti transpirant:-
 - Cytokinin
 - Auxin
 - Abiscisic acid
 - Ethylene
- The hormone which plays the role in the influx of K^+ ions into the guard cell :-
 - Cytokinin
 - Abiscisic acid
 - Auxin
 - both (a) and (b)
- Which day will have maximum rate of transpiration:-
 - Hot and Humid
 - Humid and cold
 - Hot and dry
 - Cold and dry

13. The rate of transpiration is lowest on a:-
a) Sunny day b) Rainy winter day c) Winter day d) None of these
14. The rate of transpiration _____ with decrease in CO₂ concentration.
a) Increases b) decreases c) Not affected d) None of these
15. An extreme windy condition causes _____ of the stomata.
a) Opening b) Closing c) no effect d) breaking of stomata

Shaista Ahmed