



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: VIII

Date: 18.1.2021

Ch-1 -Transport in Plants

F.M:15

WORKSHEET – 2

(1x15=15)

- i) The outer covering of the root is called
(1) Epidermis (2) Epiblema (3) Periderm (4) Mesoderm
- ii) Root hairs are outgrowths of
(1) Mesoderm (2) Periderm (3) Epidermis (4) Epiblema
- iii) Which of the following is unicellular?
(1) Root (2) Root hair (3) Stem (4) Leaves
- iv) The plasma membrane of the root hair is
(1) Permeable (2) Impermeable (3) Selectively permeable (4) All of these
- v) The membrane of the root hair lets in water molecule from the soil by the process of
(1) Diffusion (2) Osmosis (3) Active Transport (4) All of these
- vi) In osmosis, water moves from
(1) Higher to lower concentration (2) Lower to higher concentration (3) Both (1) and (2)
(4) None of these
- vii) Water from the root hairs enters the
(1) Stem xylem (2) Root xylem (3) Leaf xylem (4) Phloem
- viii) The water from the xylem vessels reach the leaves due to
(1) Osmosis (2) Diffusion (3) Transpiration pull (4) Facilitated Diffusion
- ix) When the peeled potato was filled with sugar solution and kept in water , the sugar solution level in the potato will
(1) Increase (2) Decrease (3) Remains same (4) All of these
- x) When the peeled potato was filled with water and kept in sugar solution , the water level in the potato will
(1) Increase (2) Decrease (3) Remains same (4) All of these
- xi) When a peeled and boiled potato was filled with sugar solution and kept in water , the sugar solution level in the potato will
(1) Increase (2) Decrease (3) Remains same (4) All of these
- xii) On boiling, the membrane loses
(1) Permeability (2) Proteins (3) Carbohydrates (4) Lipids
- xiii) Which of the following gains water by osmosis?
(1) *Chlamydomonas* (2) *Paramecium* (3) *Amoeba* (4) All of these
- xiv) When a Red Blood Cell is kept in hypotonic solution, it _____ water.
(1) Gains (2) Loses (3) Neither lose nor gain (4) None of these
- xv) When an animal cell is kept in concentrated sugar solution, it
(1) Gains (2) Loses (3) Neither lose nor gain (4) None of these

Manjaree Guha