



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 (ANSWERS)

(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

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