



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: VIII

Date: 23.1.2021

Ch-1 -Transport in Plants

F.M:15

WORKSHEET – 3 (ANSWERS)

(1x15=15)

- i) Which of the following has same concentration of water molecules as the cytoplasm?
(1) Hypertonic **(2) Isotonic** (3) Hypotonic (4) All of these
- ii) If swollen raisins are kept in concentrated salt solution, it will
(1) **Lose water** (2) Gain water (3) not have any change (4) All of these
- iii) Plants absorb water by the process of
(1) Diffusion (2) Osmosis **(3) Active Transport** (4) None of these
- iv) Energy is required in
(1) Diffusion (2) **Active Transport** (3) Osmosis (4) All of these
- v) Which of the following help in transport of mineral to cytoplasm from outside?
(1) Cell wall **(2) Carrier proteins** (3) Transport proteins (4) Nucleus
- vi) Which of the following carries water and minerals?
(1) **Xylem** (2) Phloem (3) Both (1) and (2) (4) None of these
- vii) The vascular system consists of
(1) Xylem (2) Phloem **(3) Both (1) and (2)** (4) None of these
- viii) The transport of water and minerals is
(1) **Upwards** (2) Bidirectional (3) Multidirectional (4) Downwards
- ix) The food prepared in the plant is transported in the form of
(1) Glucose **(2) Sucrose** (3) Fructose (4) Maltose
- x) Food in the plants is carried by
(1) Xylem **(2) Phloem** (3) Both (1) and (2) (4) None of these
- xi) The movement of food from the leaves to the other parts of the plant where it is utilised is called
(1) Transpiration (2) Respiration **(3) Translocation** (4) Transportation
- xii) Xylem is a type of
(1) **Complex permanent tissue** (2) Meristematic tissue (3) Simple permanent tissue
(4) None of these
- xiii) Which of the following is not a component of xylem?
(1) Tracheids (2) Vessels **(3) Companion Cells** (4) Xylem parenchyma
- xiv) Which of the following components is dead?
(1) Tracheids (2) Vessels (3) Xylem fibres **(4) Xylem parenchyma**
- xv) The conductor of water sideways takes place by pits on
(1) End walls **(2) Lateral walls** (3) Both (1) and (2) (4) None of these

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