



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

## WORK SHEET – 8 (Solutions)

Class: IX

Sub: LIFE SCIENCE

Date: 15.04.2020

Topic: Plant tissues: Simple Permanent tissue and its types

F.M. : 15

Choose the correct option:

(1x15=15)

1. Tissue which have lost their power of cell division:  
a) Cambium b) Cork cambium c) parenchyma d) none of these  
**Answer: Parenchyma (c)**
2. Parenchyma is present in the following parts of the plant:  
a) root b) hypodermis of stem c) leaf epidermis d) Both (a) and (c)  
**Answer: Both (a) and (c) (d)**
3. Characteristics of Parenchyma tissue is:  
a) Cell wall is thin b) Vacuoles and nucleus are large c) intercellular spaces present d) All of these  
**Answer: All of these (d)**
4. Unevenly thickened cell wall are found in ..... tissue:  
a) Parenchyma b) Collenchyma c) Sclerenchyma d) Phloem parenchyma  
**Answer: Sclerenchyma (c)**
5. The cells of Collenchyma tissues appear ..... in shape due to angular thickening.  
a) spherical b) elongated c) polygonal d) linear  
**Answer: Polygonal (c)**
6. The cell wall of collenchyma cells consists of:  
a) Cutin b) hemicellulose c) Cellulose d) all of these  
**Answer: All of these (d)**
7. The bundle cap Vascular Bundle comprises of :  
a) Collenchyma b) parenchyma c) Sclerenchyma d) Xylem parenchyma  
**Answer: Sclerenchyma (c)**
8. Which simple tissue has lignified cell wall?  
a) Sclerenchyma b) Parenchyma c) Collenchyma d) Cambium  
**Answer: Sclerenchyma (a)**
9. Characteristics of sclerenchyma tissue:  
a) Cells are dead b) Cell wall shows pits c) Elongated cells and narrow lumen d) All of these  
**Answer: All of these (d)**

10. The sclereids found in the pulp of fruits like guava and apples are called:  
a) Rock cells b) Sediment cells c) Stone cells d) fibres  
**Answer: Stone cells (c)**
11. The Parenchyma cells with excretory matter are called:  
a) Bulliform cells b) Raphides c) Stone cells d) idioblast  
**Answer: Idioblasts (d)**
12. Which one is not a function of parenchyma cells:  
a) Storage of food b) Structural component c) Mechanical support d) Protect against injury  
**Answer: Mechanical support (c)**
13. The rod shaped sclereid is called:  
a) Brachysclereids b) Macrosclereids c) osteosclereid d) astrosclereid  
**Answer: Macrosclereids (b)**
14. The elongated sclerenchyma cells are called:  
a) Sclereids b) Raphides c) Fibres d) Idioblasts  
**Answer: Fibres (c)**
15. The mechanical support is due to mainly ..... tissue.  
a) parenchyma b) collenchyma c) Sclerenchyma d) all of these  
**Answer: Sclerenchyma (c)**

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