

**Q 1.**

Define the term "tissue"

**SOLUTION:**

Group of cells which are similar in structure that work together to achieve a particular function forms a tissue.

**Q 2.**

How many types of elements together make up the xylem tissue? Name them

**SOLUTION:**

Four types of elements together make up the xylem tissue. These elements are–

- (A) tracheids,
- (B) vessels,
- (C) xylem parenchyma and
- (D) xylem fibres.

**Q 3.**

How are simple tissues different from complex tissues in plants?

**SOLUTION:**

Simple tissues are made up of only one type of cells, which look like each other. On the other hand, complex tissues are made up of more than one type of cells. Parenchyma, collenchyma and sclerenchyma are the examples of simple plant tissue whereas xylem and phloem are complex tissue.

**Q 4.**

Differentiate between parenchyma, collenchyma and sclerenchyma on the basis of their cell wall

**SOLUTION:**

On the basis of the cell wall, differences between parenchyma, collenchyma and sclerenchyma are–

S.N.	Parenchyma	Collenchyma	Sclerenchyma
1.	Cell wall is thin.	Cell wall is thick.	Cell wall hard, rigid, very thick.
2.	Made up of cellulose.	Made up of cellulose and pectin	Made up of lignin – a water proof material.