

Home Work

1) Name the different components of xylem.

Xylem is composed of cells of 4 different types:

> tracheids

> vessels

> xylem Parenchyma

> xylem Sclerenchyma (or fibres)

2) What is the function of phloem tissue?

Phloem transports (conducts) photosynthetically prepared food materials from the leaves to the storage organs & latter from storage organs to the growing regions of the plant body.

3) Why xylem & phloem tissues are known as complex permanent tissues.

Xylem & Phloem tissues are known as complex permanent tissues because they are made up of more than one type of cells & all these different types of cells coordinate to perform the same function.

Q. Write two differences between xylem & phloem tissue.

Xylem

- > Xylem is a vascular & mechanical tissue
- > Xylem is composed of cells of 4 different types :-
 - * Tracheids
 - * vessels
 - * xylem Parenchyma
 - * xylem fibres.

Phloem

- > Phloem is a living conducting tissue.
- > Phloem is composed of following 4 cells :-
 - * Sieve tubes
 - * Companion cells
 - * Phloem Parenchyma
 - * Phloem fibres.