

(1) Why Permanent tissues are named so?

Ans- The cells of permanent tissues do not have the ability to divide. These cells are already differentiated in different tissue types and is now specialized to perform specific functions. So, simple permanent tissues are called so because the cells are similar and are differentiated.

(2) Write two differences between Meristematic and Permanent tissue?

Meristematic Tissue	Permanent Tissue
<ul style="list-style-type: none"> > Meristematic Tissue is a young tissue that is capable of continuously dividing & is responsible for the growth of the plant. > Consists of undifferentiated cells > Divides rapidly 	<ul style="list-style-type: none"> > Permanent tissue is a specialized tissue that has lost its ability to divide & functions as protective, conductive & supportive tissue. > Consists of both the differentiated & undifferentiated cells > Differentiated cells have lost their ability to divide

(3) Write any four features of Parenchyma tissue.

Ans- > Parenchyma is most simple & unspecialized primitive tissue.
> It mainly consists of thin walled cells which have intercellular spaces between them.

- > Each cell has a prominent nucleus & a vacuolate cytoplasm.
- > The cells are living & perform metabolic processes.
- > There is a large central vacuole in each cell.