

B.SC (Hons.), Botany, 3rd semester

Anatomy of Angiosperms

Topic

Simple Plant Tissues

Webpage links to the supplementary readings and diagrams to refer for practical file in addition to the books mentioned and content discussed in class for the topic.

Introduction to Plant tissue

<https://www.eeob.iastate.edu/classes/bio454/docs/404simpl04.pdf>

<https://vivadifferences.com/parenchyma-vs-collenchyma-vs-sclerenchyma/>

<https://ucmp.berkeley.edu/IB181/VPL/Ana/Ana1.html>

Parenchyma Types:

<https://byjus.com/neet/parenchyma-cells/>

Collenchyma Types:

<https://www.biologydiscussion.com/plant-tissues/simple-tissue/collenchyma-tissue-in-plants-simple-tissue/69066>

Sclerenchyma:

https://www.simply.science/images/content/biology/plant_form_and_function/growth_and_development/conceptmap/Sclerenchyma.html

Diagrams: -

Diagram of Parenchyma

<https://in.pinterest.com/pin/438678819949221410/>

Types of parenchyma (including aerenchyma)

<https://i.pinimg.com/736x/03/01/e0/0301e05f3f4f650414b43249a83b7a17.jpg>

Parenchyma type (Chlorenchyma)

<https://d3jlfsc6yvi.cloudfront.net/image/mw:1024/q:85/https%3A%2F%2Fhaygot.s3.amazonaws.com%3A443%2Fcheatsheet%2F9578.jpg>

Magnified view of typical Parenchyma tissue

https://s3mn.mnimgs.com/img/shared/ck-files/ck_57d156d93c7bd.png

Compared parenchyma and sclerenchyma (diagrammatic)

https://www.biologydiscussion.com/wp-content/uploads/2014/01/clip_image00224.jpg

https://www.biologydiscussion.com/wp-content/uploads/2014/01/clip_image00224.jpg

Typical collenchyma

https://images.topperlearning.com/topper/question_uploads/CBSE_Bio11_MeristematicTissue_SAQ_CLA_files/20140709145311_image003.jpg

Types of Collenchyma (Diagrammatic)

<https://www.easybiologyclass.com/wp-content/uploads/2017/01/classification-of-collenchyma.jpg>

Types of Sclereids

<https://qph.fs.quoracdn.net/main-qimg-9c1daf5d17b9c91d791395004b2a6e0e>

<https://encrypted-tbn0.gstatic.com/images?q=tbn%3AANd9GcRWHWtUTBcXRN993dAUI0RulfqGn0Lj3uygdQ&usqp=CAU>

Typical Stone Cells

<https://images.topperlearning.com/topper/tinymce/imagemanager/files/Sclerenchyma.jpg>

Fibre and Sclereid Compared (diagrammatic)

https://images.topperlearning.com/topper/question_uploads/CBSE_Bio11_MeristematicTissue_SAQ_CLA_files/20140709145311_image016.jpg