



Faculty of Science



Department of Medical Technology

((General plant sciences))

1st stage

Lab (6)

Characteristic of sclerenchyma tissue

By

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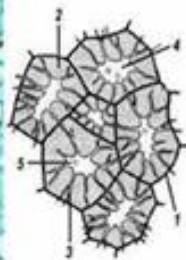
Lab 6:

Characteristic of sclerenchyma tissue

1. Permanent simple tissue usually its cells dead at maturity
2. Thick secondary cell wall with lignin
3. Found in aerial and subterranean parts of plants
4. Its function is support

Sclerenchyma cells can be divided according to their shapes

- a. Sclereids (have different cell shapes, with very thick secondary walls characterized by lignin present. In many sclereids the lumens are almost filled with massive wall deposits, and normally become dead with maturity. Some Sclereid may get branched during their developmental period.



Brochysclereid

- b. Fibers (are very much elongated, usually with pointed needle like ends).

