

Bio 135 Lab: Tissues part two : Connective tissues

Objectives:

- Learn the names, locations and functions of the various connective, tissues.
- Be able to identify a tissue and its important features under a microscope or from a projected image.
- Learn the cell types located in each tissue.
- Learn the major features of each tissue.

Pre lab activities:

- Complete the data portion of the attached data sheet prior to lab.
- Go to the virtual lab and look at the related materials for the tissue's labs

In class activities:

1. Look at the slides set out under the microscopes
2. Draw what you see under the microscope for each tissue type.

Bio135 — Basic Human Anatomy & Physiology
 Connective, muscle and nervous tissues.

Fill in the following table.

Student name: _____

Tissue Visible	Draw image of tissue here	Distinctive Features	Functions	Locations
Areolar (Loose) CT				
Adipose Tissue				
Reticular CT				
Dense Regular CT				
Dense Irregular CT		Fibers run in a variety of directions	Withstands tension in all directions	Sclera of the eye. Dermis of skin.
Elastic CT		Elastic fibers	Allows stretching	Large arteries, bronchioles
Hyaline Cartilage				
Elastic Cartilage		A cartilage with fibers look like foam	Gives firm shape but allows bending and recoil	Ear and nose
Fibro-cartilage				
Bone				
Blood				