Lab 5: Connective Tissue

3. _____ Examples:

Edb 6. Comiconio mode
Reference: Chapter 5.3
 OBJECTIVES: To describe the structure and function of connective tissues To identify various connective tissues based on their structure
A. Overview
1. What is the embryonic precursor to all connective tissue (see page 141)?
2. Identify the functions associated with connective tissue (CT).
B. Fibrous Connective Tissue
1. Name the three components common to CT. Describe the examples of each componen
1 Examples:
2 Examples:

C. Observing Fibrous Connective TissueFor each type of connective tissue, make a sketch, and describe its functions and note body locations.

1. Loose connective tissue	
Areolar CT (slide #1)	Reticular CT (slide #2)
Associated functions:	Associated functions:
Locations:	Locations:
2. Dense connective tissue	
Dense regular CT (slide #3)	Dense irregular CT (use the skin XC slide)
Associated functions:	Associated functions:
Locations:	Locations:

D. Adipose Tissue

1. Compare and contrast white and br	own fat.	
2. Observe a prepared microscope slice		
Sketch what you see to the right.		
	(slide #4)	
E. Cartilaginous Connective 1	issue	
		nd substance associated with cartilage?
1. Describe the cens that are associate	ed with cartilage. What is the groun	id Substance associated with cartilage:
2. Explain why cartilage takes so long	to heal if injured.	
3. Observe the three types of cartilaging	nous CT and sketch what you see.	
Hyaline cartilage (slide #5)	Elastic cartilage (slide #6)	Fibrocartilage (slide #7)
Associated functions:	Associated functions:	Associated functions:
Locations:	Locations:	Locations:

1. Bone tissue (slide #8)	2. Blood (slide #9)

E. Other Connective Tissues. We will be studying these vital connective tissue types in much

greater detail later in A&P. For now, you should simply be able to identify them.

F. Thinking critically about tissues

Compare and contrast epithelial tissue and connective tissue.