Name _____ **Per.** _____ **Date** _____

Chapter 4- Lab- Tissue Identification
Epithelial, Connective, Muscle and Nervous Tissues

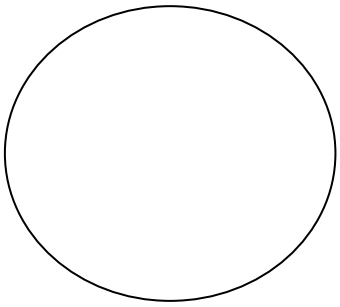
Purpose: To identify, compare and contrast the different types of epithelial and connective tissues.

Materials: compound light microscope, prepared epithelial tissue slides, prepared connective tissue slides, prepared muscle tissue slides, prepared nervous tissue slides, ruler, colored pencils, pencil

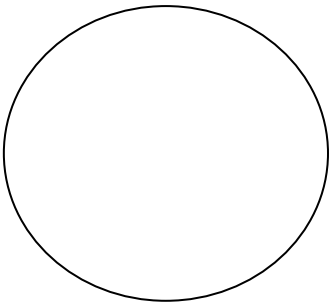
Procedure:

1. Through a compound light microscope, you will observe each epithelial, connective, muscular and nervous tissue specimens.
2. Draw and color all cells and tissues. Your drawing must fill up the entire field. **You must use pencil.**
3. View all specimens under high power. Determine total magnification.
4. Use an arrow to specify the tissue in question.
5. Answer Study Questions 1-8 on page 68.

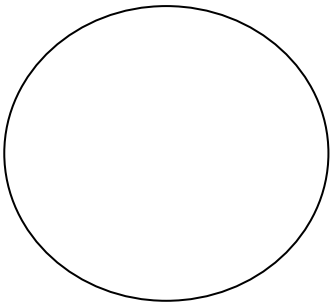
Epithelial Tissue



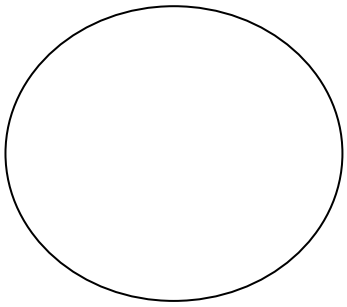
Specimen: Simple Squamous
Slide name:
Slide letter: O
Total mag:



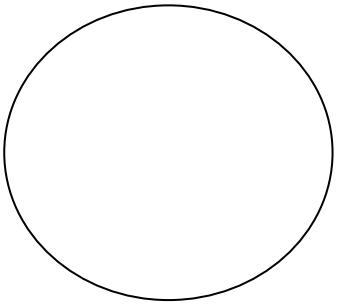
Specimen: Simple Cuboidal
Slide name:
Slide letter: A
Total mag:



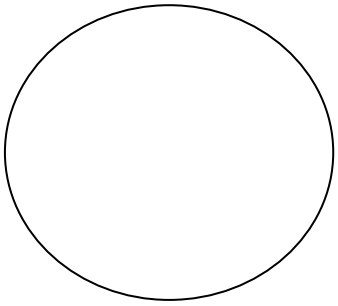
Specimen: Simple Columnar
Slide name:
Slide letter: S
Total mag:



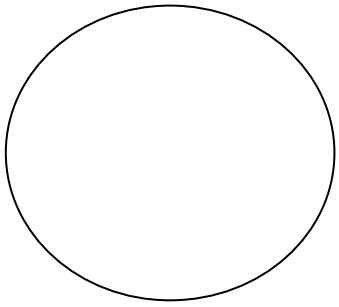
Specimen: Stratified Squamous non-keratinized
Slide name:
Slide letter: P
Total mag:



Specimen: Stratified Squamous keratinized
Slide name:
Slide letter: N
Total mag:

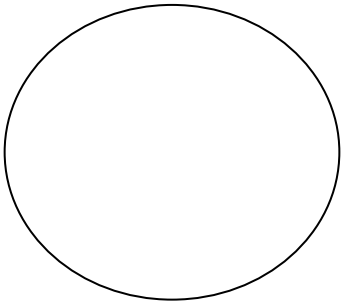


Specimen: Pseudostratified Columnar
Slide name:
Slide letter: R
Total mag:

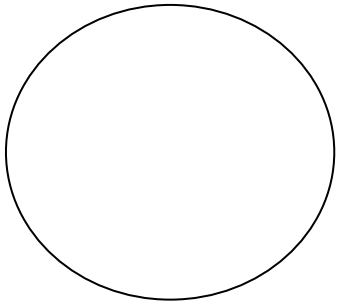


Specimen: Transitional
Slide name:
Slide letter: C
Total mag:

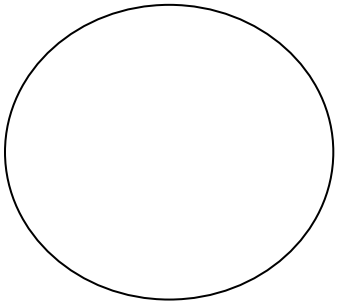
Connective Tissue



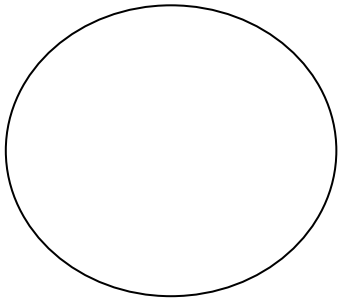
Specimen: Adipose
Slide name:
Slide letter: Y
Total mag:



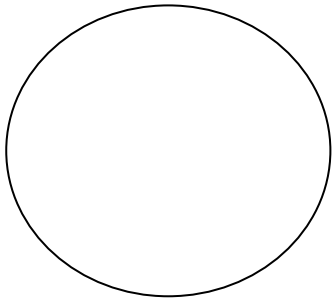
Specimen: Dense Irregular
Slide name:
Slide letter: N
Total mag:



Specimen: Hyaline Cartilage
Slide name:
Slide letter: D
Total mag:

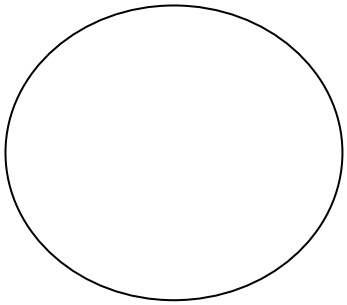


Specimen: Compact
Slide name:
Slide letter: F
Total mag:

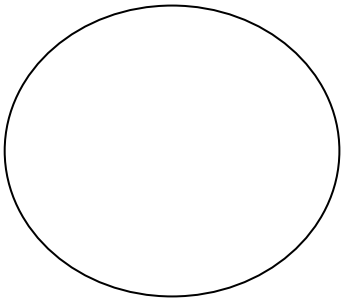


Specimen: Blood
Slide name:
Slide letter: G
Total mag:

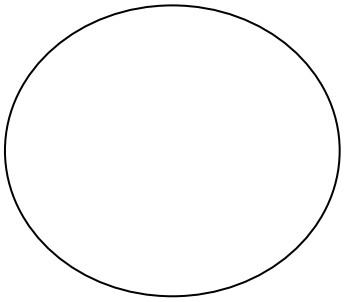
Muscle Tissue



Specimen: Skeletal
Slide name:
Slide letter: H
Total mag:

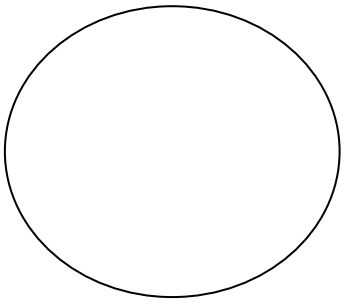


Specimen: Smooth
Slide name:
Slide letter: S
Total mag:



Specimen: Cardiac
Slide name:
Slide letter: I
Total mag:

Nervous Tissue



Specimen: Neuron
Slide name:
Slide letter: K
Total mag:

<u>Conclusion Questions:</u> Study Questions 1-8 pg. 68