

Pal Worksheet: histology, tissues, wk 2

Draw a simple epithelium to illustrate the basic characteristics/components of epithelial tissue

Pick an organ and describe its organization in terms of tissues:

Which tissue type would you expect to cover body surfaces, line body cavities?

Which tissue type would you expect to support and bind organs together?

Which tissue type consists of both fluid and non-fluid types?

Which tissue type moves parts of the body via contraction?

Which tissue type helps change the diameter of blood vessels?

Which tissue type conducts impulses and coordinates activities throughout the body?

Which tissue type is avascular?

Which tissue type contains highly mitotically active cells and hence is capable of regeneration?

Which tissue type contains cilia and or villi?

What tissue type contains a mineralized matrix?

What tissue type contains collagen fibers in parallel array?

What tissue type contains spaces called lacunae where chondrocytes are located?

What tissue type contains spaces called lacunae where osteocytes are located?

What tissue type contains osteons?

What tissue type contains Schwann cells?

What tissue type is excitable and signals electrically and chemically?

What cell type produces and secretes collagen fibers?

Make a large picture with the word connective in the center – draw spokes from the word to all the different types of connective tissue: include one location where such tissue can be found in your picture

Name 5 functions of epithelial tissue:

Name two locations where you would expect to find stratified squamous epithelium:

Name two locations where you would expect to find cuboidal epithelium:

Name two locations where you would expect to find columnar epithelium:

Name two locations where you would expect to find transitional epithelium

Name a location where you would expect to find keratinized epithelium

Make a table and compare characteristics of epithelial and connective tissues:

Epithelial

connective

Name three major components of connective tissue:

1.

2.

3.

Make a list of major cell types of connective tissue and indicate function

Describe a location where you would find the three types of cartilage – list the cartilage type

1.

2.

3.

What is the major cell type of cartilage -