

Tissues and body membranes I: connective tissue, epithelial tissue.

After class students:

1. Know functions of connective tissue.
2. Discriminate between types of connective tissues.
3. Know elements which build the connective tissues.
4. Discriminate between cells that build connective tissue.
5. Know elements found in extracellular matrix of connective tissue.
6. Know which physical/mechanical properties are determined by given elements of ECM.
7. Know the etiology of: osteoporosis, osteogenesis imperfecta.
8. Know functions of epithelial tissue.
9. Discriminate between types of epithelial tissues.
10. Give examples of types of epithelia found in the human body (chart).
11. Discriminate between extensions of cells (cilia, microvilli, stereocilia, flagella).
12. Discriminate between junctions between cells (tight junction, belt desmosome, desmosome, hemidesmosome, gap junction).
13. Know the function of hemidesmosomes and basal lamina in epithelia anchorage.