

Virtual Discussion wk 6 NP

Week 6 Discussion: Bone Tissue

No unread replies. No replies.

Required Resources

Read/review the following resources for this activity:

- Textbook reading
- Lesson
- Minimum of 1 scholarly source

In your reference for this assignment, be sure to include both your text/class materials AND your outside reading(s).

Initial Post Instructions

In this unit, you are learning about anatomy and physiology of the skeletal system as well as similarities and differences between the male and female skeletal system. In your initial post, address one of the following topics:

- Describe functions of the skeletal system.
- Compare and contrast the components that make up the axial and appendicular skeleton.
- Distinguish the structural differences between the male and female skeleton.
- Discuss the various disorders of the skeletal system, their causes, symptoms,

- **Describe the functions of the four bone cells.**

The four primary bone cells are osteoblasts (bone forming), osteocytes (mature bone cells maintaining bone structure), osteoclasts (bone breaking down), and osteogenic cells (bone stem cells), with each playing a crucial role in bone development, remodeling, and maintaining bone homeostasis by either building new bone matrix or breaking down old bone tissue to release minerals like calcium into the bloodstream.