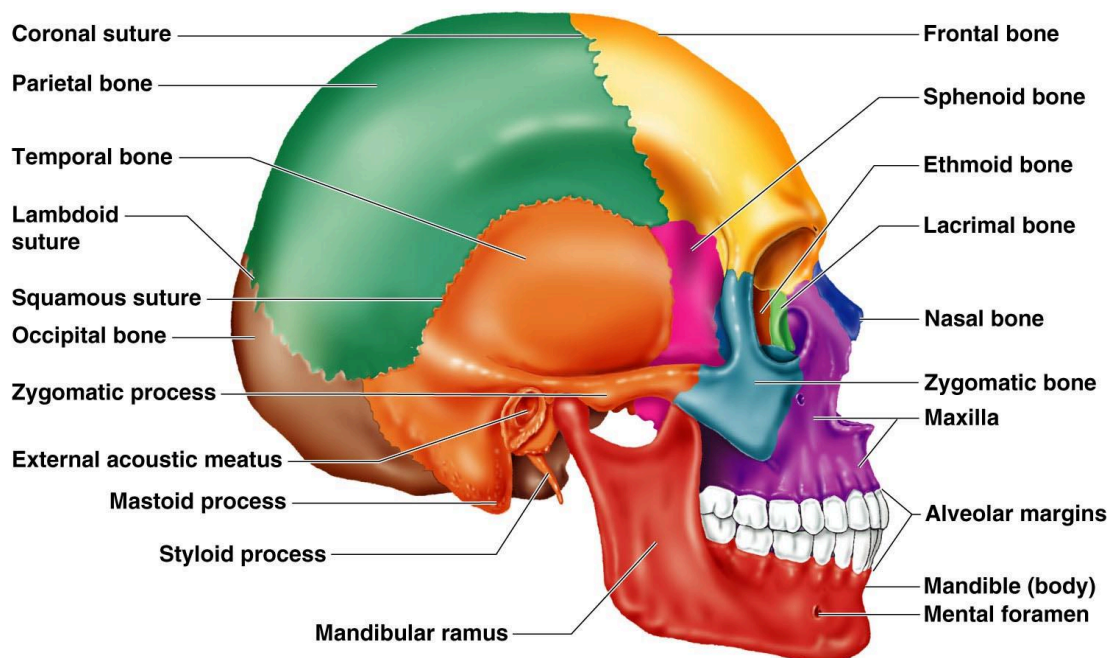
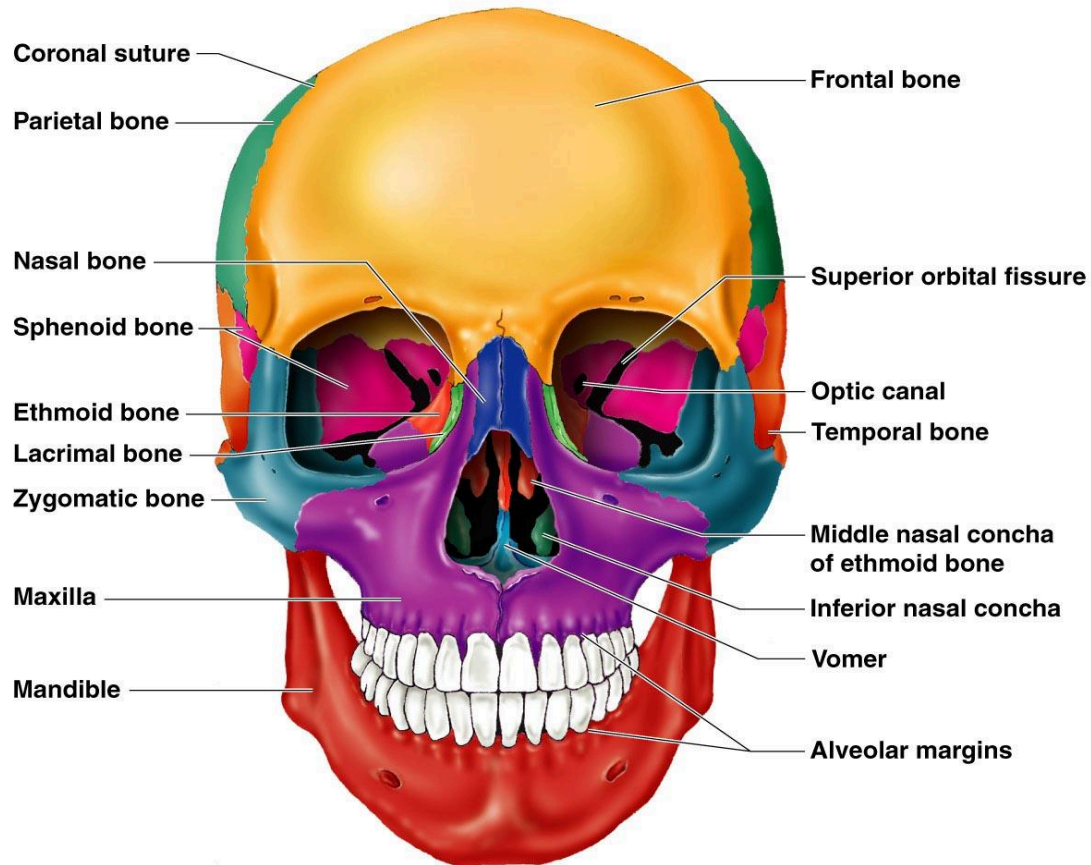


Axial Skeleton Study Guide

1. What are the 3 major components of the Axial Skeleton?

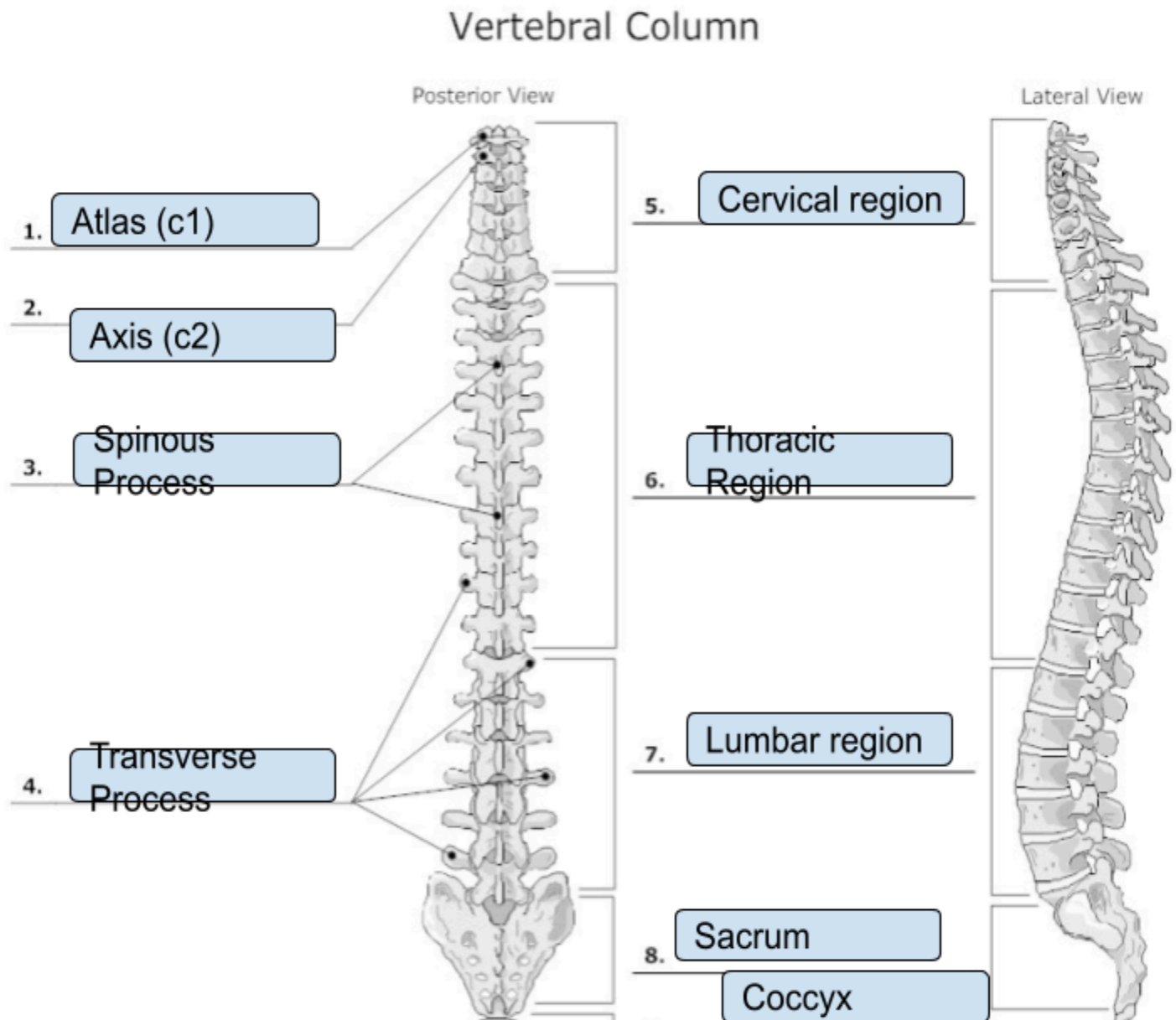
- Skull - Vertebral Column - Thoracic Cage

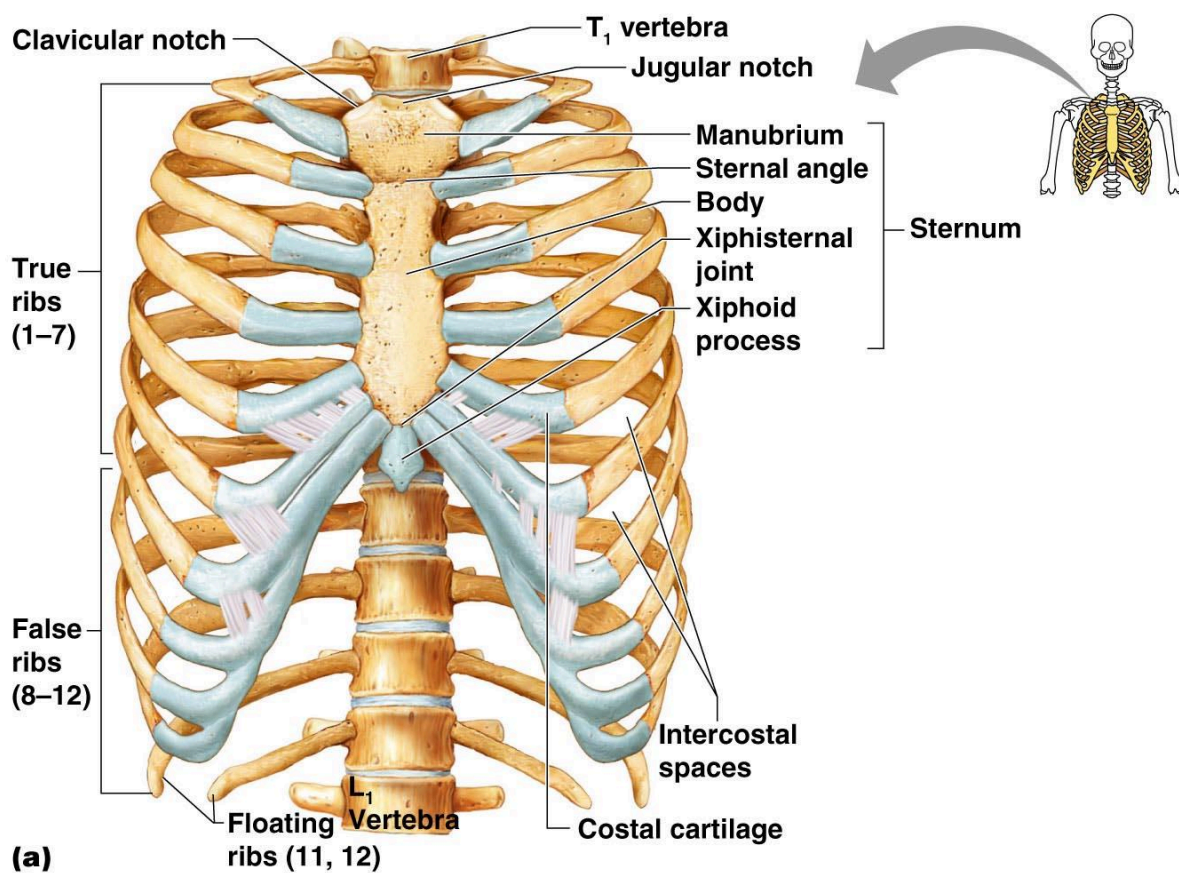
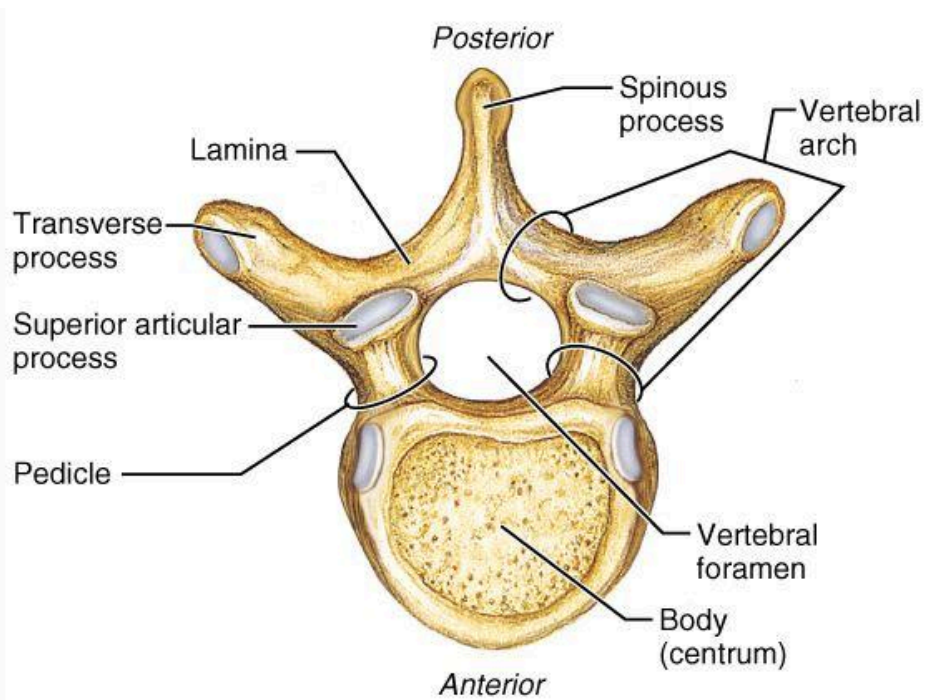
Skull:



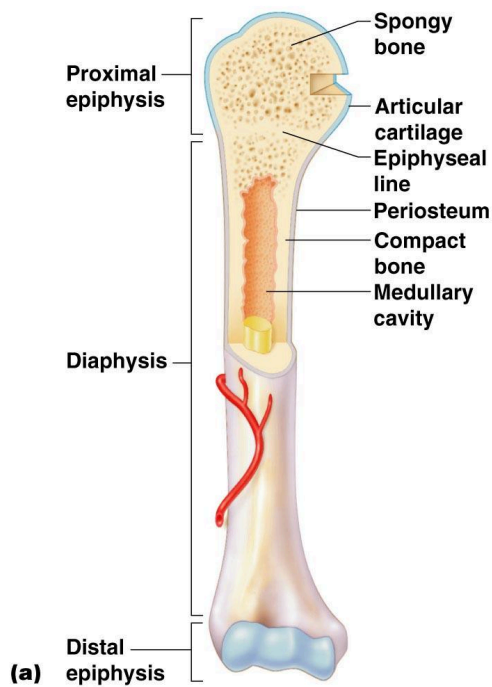
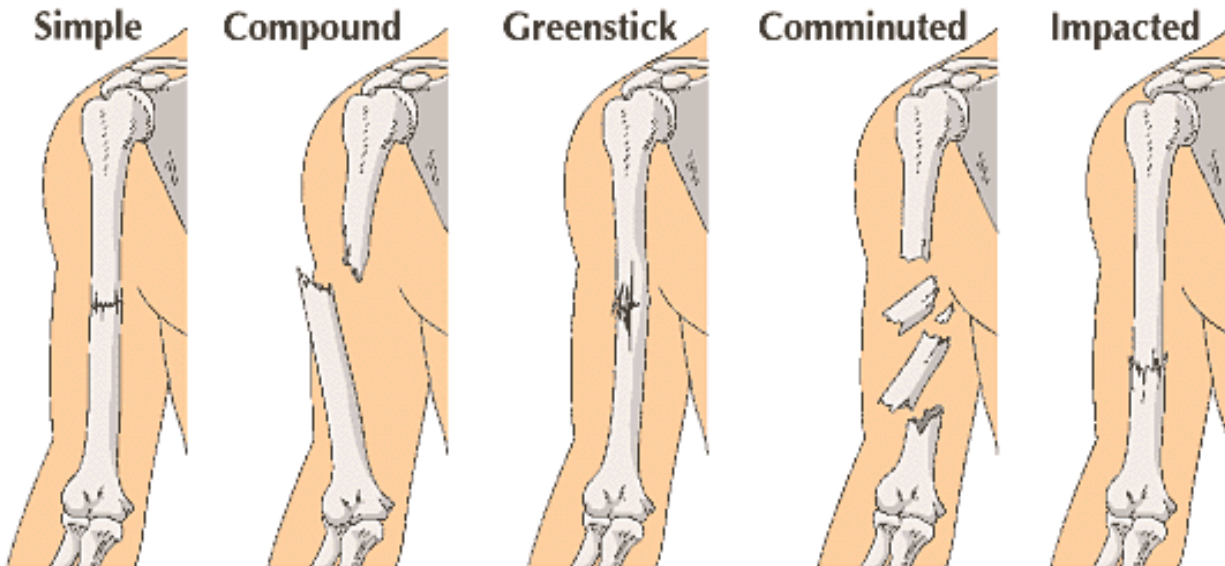
2. Compare and contrast the fetal skull and an adult skull. How is this difference important?

The fetal skull has fontanelles which allow for brain growth and passing through the birth canal.





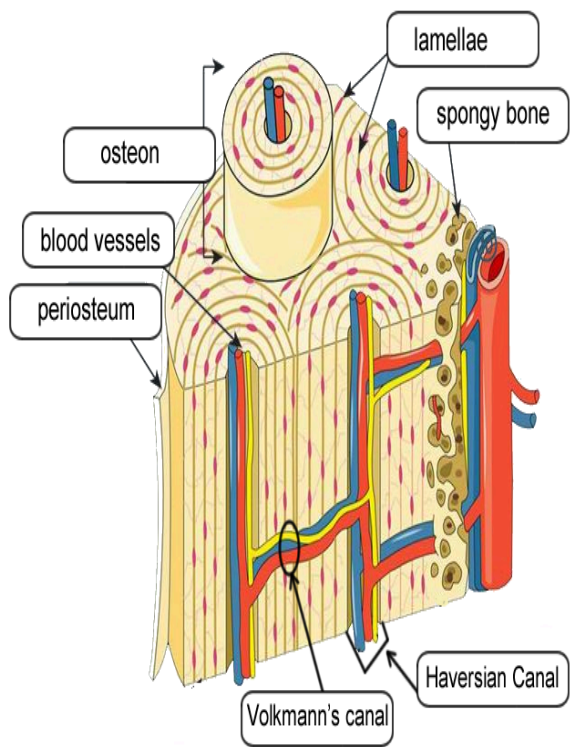
Types of Fractures



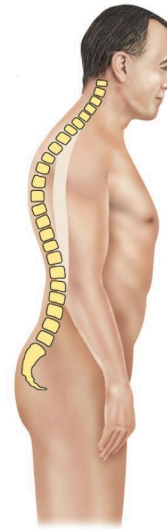
Discuss the 2 types of bone marrow and discuss where each is made and stored in the long bone:

Yellow marrow- medullary cavity- fat storage and contains mesenchymal stem cells-which **produce cartilage, fat and bone**

Red Marrow- Ends (epiphysis)- Blood cell formation



Scoliosis



Kyphosis



Lordosis

Osteocytes—mature bone cells
(Trapped in the bone)
Osteoblasts—bone-forming cells
Osteoclasts—bone-destroying cells