

General Skeleton System Lab Exercise

Regions

Diaphysis

Distal Epiphysis

Proximal Epiphysis

Epiphyseal line (plate)

Medullary cavity (yellow marrow)

Compact bone

Spongy Bone

Articular Cartilage

Structures

Canaliculi

Endosteum

Haversian Canal (Central Canal)

Lamellae

Osteocytes in the Lacunae

Osteon

Slides

Compact Bone

Osteons
osteocytes in lacunae
haversian canal
lamellae
canaliculi

Spongy Bone

Spicules
Osteocytes
Osteoblasts
Endosteum

Pictures

Intramembranous Ossification

Spicules/trabeculae
Osteoblasts
Osteocytes
Endosteum
Mesenchymal tissue

Endochondral Ossification

Mesenchymal tissue
Hyaline cartilage (hypertrophied chondrocytes)
Spicules
Osteoblasts
Osteocytes
Endosteum