

Osteoprogenitor Cells	Type of bone cells that give rise to osteoblasts
Appositional Growth	Deposits new layer of bone on the surface of the bone
Hyaline Cartilage	Cartilage associated with bone function & development
Epiphyseal Plate	Location of long bone growth in length
Osteoblasts	Lay down bone matrix
Red Marrow	Manufactures blood cells
Sex Hormones	Hormone that triggers the rapid growth spurt seen in puberty
Ligament	Attach bone to bone
Periosteum	Covering of the outer surface of bone; membrane covering the surface of a mature bone

Growth Hormone	Chemical that stimulates interstitial cartilage and appositional bone growth
Articular Cartilage	Type of tissue that covers the ends of long bones
Growth Plate	Site of longitudinal growth in long bones
Tendon	Band of connective tissue that attaches a muscle to bone
Endochondral Ossification	Type of ossification involved in replacing cartilage with bone
Trabeculae	Interconnecting rods found in cancellous bone
Epiphysis	End of a long bone
Chondroblasts	Produce cartilage matrix
Diaphysis	Shaft of a long bone
Calcium	Primary mineral found in bone

Osteocyte	Type of cell responsible for maintaining bone once it has been formed
Osteoclast	Type of cell that is responsible for breaking down bone matrix
Compact Bone	Dense bone
Centers of Ossification	Locations where ossification begins in intramembranous ossification
Medullary Cavity	Area where marrow is located