## Compact, Spongy bones and Axial (skull)

## Interstitial lamellae

## External

External
circumfer circumferential
lamellae


Osteocyte Concentric lamellae Canaliculi

Trabeculae
Internal circumferential lamellae


Medullary cavity



Periosteal vein
Periosteal artery Periosteum:
Outer fibrous layer Inner osteogenic layer

Osteonic canal
Interosteonic (Volkmann's or perforating) canal
Perforating (Sharpey's) fibers

## Skull

1. The 22 bones of the skull include cranial bones and facial bones.
2. The eight cranial bones are the frontal, parietal (2), temporal (2), occipital, sphenoid, and ethmoid.
3. The 14 facial bones are the nasal (2), maxillae (2), zygomatic (2), lacrimal (2), palatine (2), inferior nasal conchae (2), vomer, and mandible


Parietal bone Temporal squama Squamous suture Lambdoid suture
Temporal bone

## Internal auditory

 meatus
## External occipit

Mastoid portion

## Occipital bone

Hypoglossal canal

## Occipital condyle

Styloid process
Pterygoid processes
Mandibular foramen

Tuberculum sellae
Hypophyseal fossa
Frontal sinus Ethmoid bone:


Cribriform plate
Perpendicular
plate
Nasal bone


Medial view of sagittal section

