



# SKELETAL SYSTEM

A presentation in anatomy by

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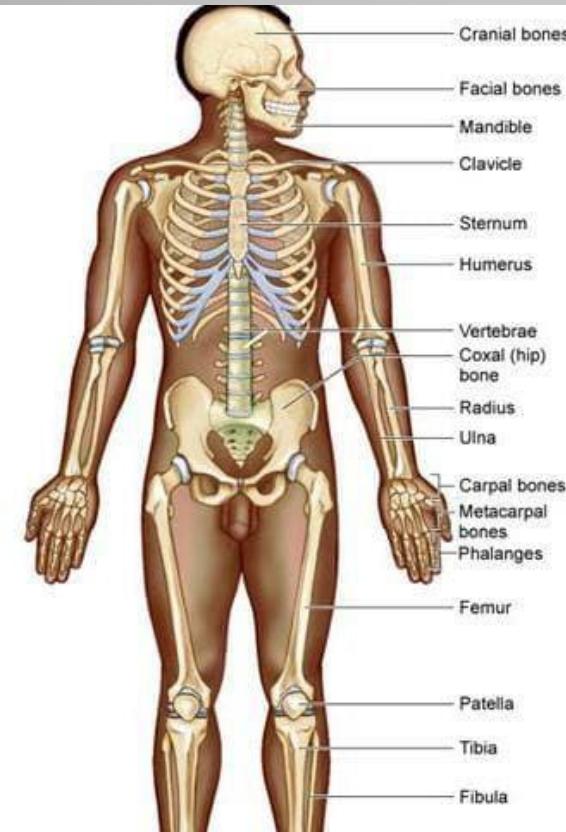
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# ***COMPONENTS OF SKELETAL SYSTEM :-***



- ▶ **Bones (Skeletal organ)**
- ▶ **Joints**
- ▶ **Cartilage**
- ▶ **Ligaments**
- ▶ **Tendons**

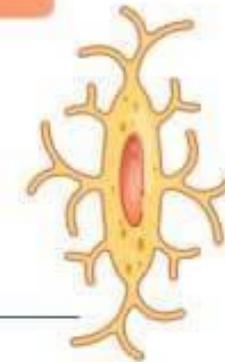
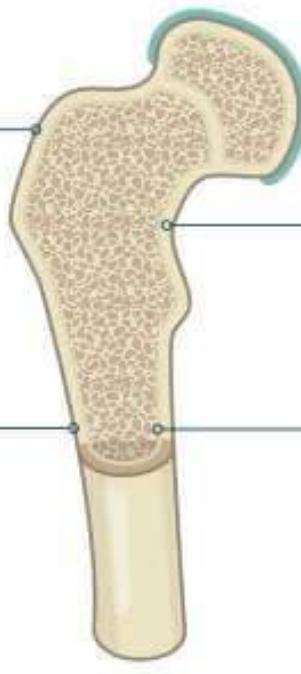
## Bone Cell Types



**Osteogenic Cell**  
Stem Cells - Develops into  
an Osteoblast



**Osteoblast**  
Forms Bone Tissue



**Osteocyte**  
Maintains Bone Tissue



**Osteoclast**  
Functions in Resorption,  
the Destruction of Bone Matrix

# Classification of Bones on the Basis of Shape

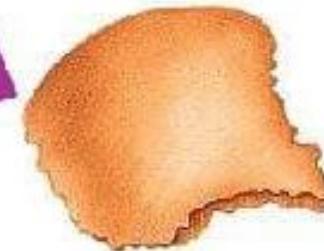
**(a) Long bone**  
(e.g., humerus of arm)



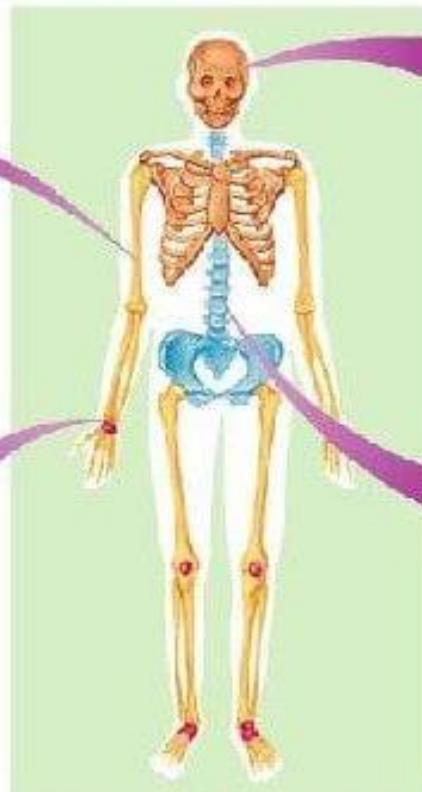
**(b) Short bones**  
(e.g., carpal bones of wrist)

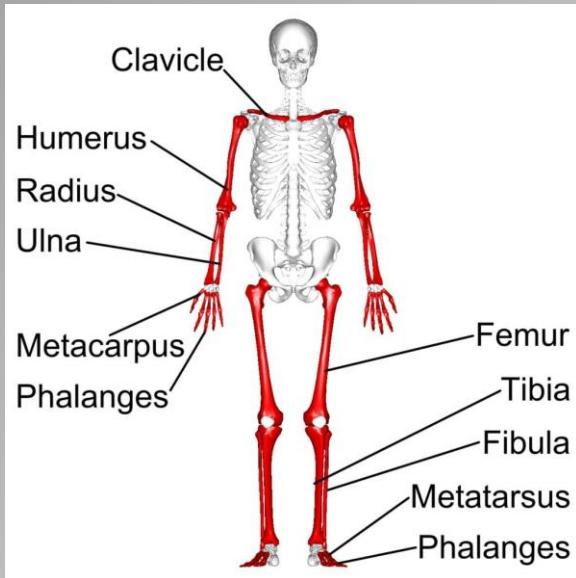


**(c) Flat bone**  
(e.g., parietal bone of skull)

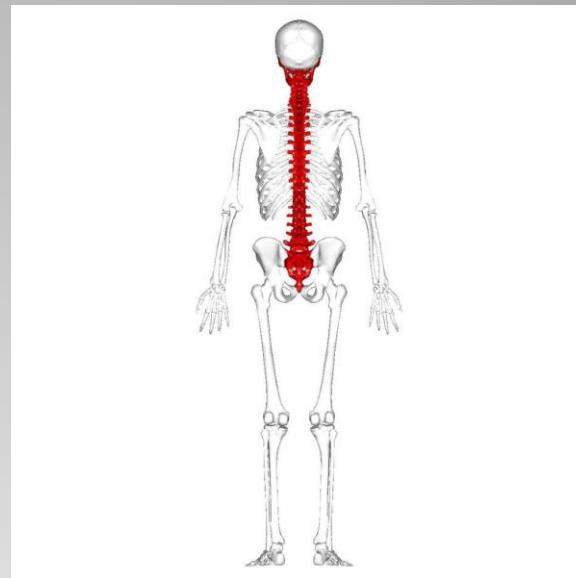


**(d) Irregular bone**  
(e.g., vertebra)

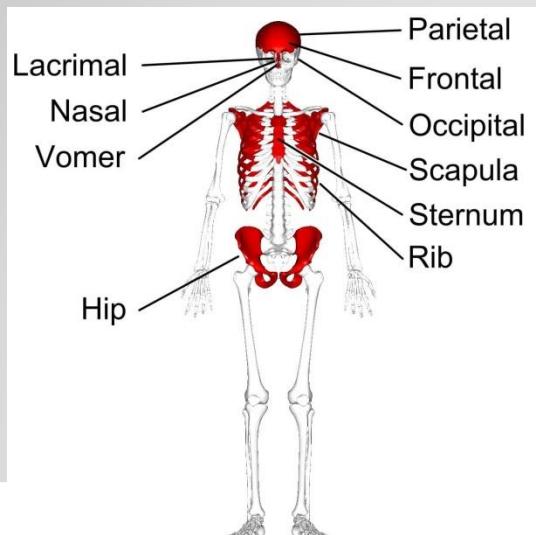




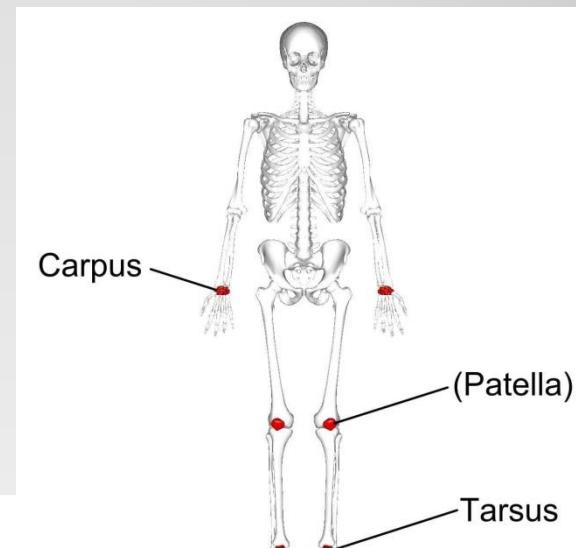
Long bones



Irregular bones



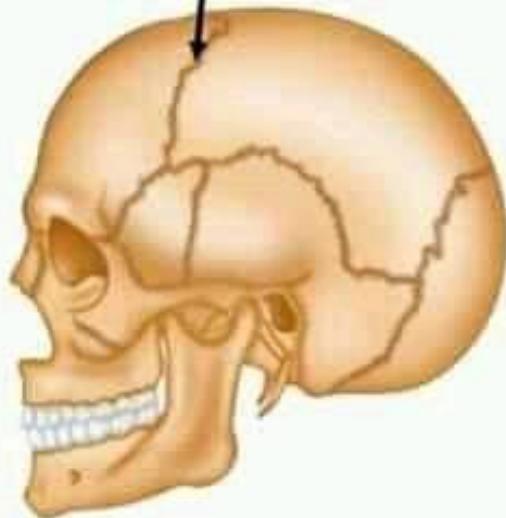
Flat bones



Short bones

# Types of joints

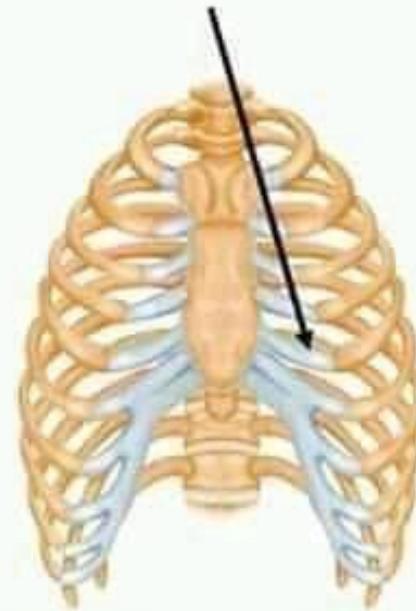
Immovable  
fibrous joint



Movable  
synovial joint

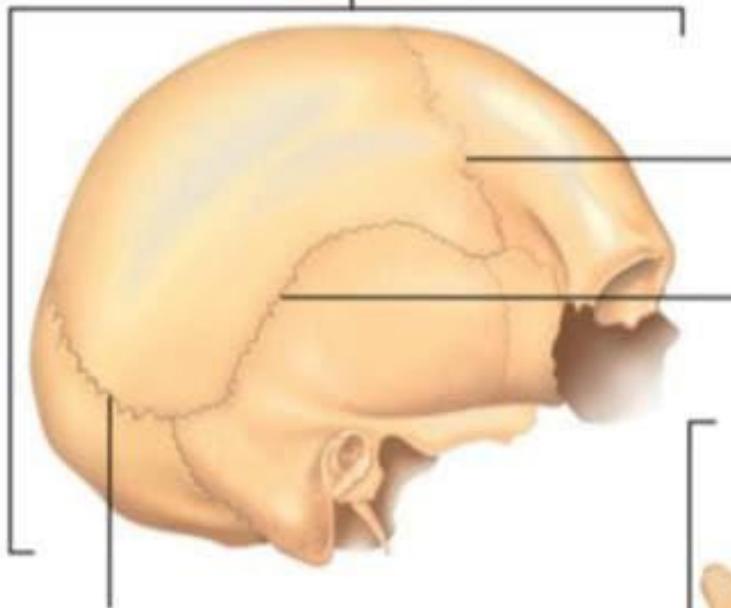


Slightly movable  
cartilaginous joint



## SKULL :-

Bones of cranium (cranial vault)

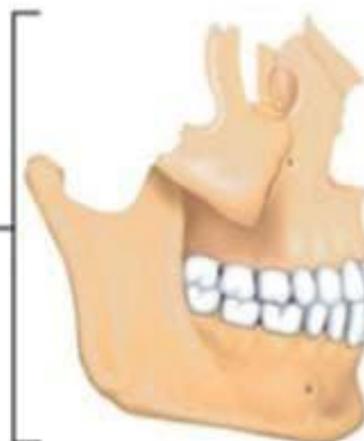


Coronal  
suture

Squamous  
suture

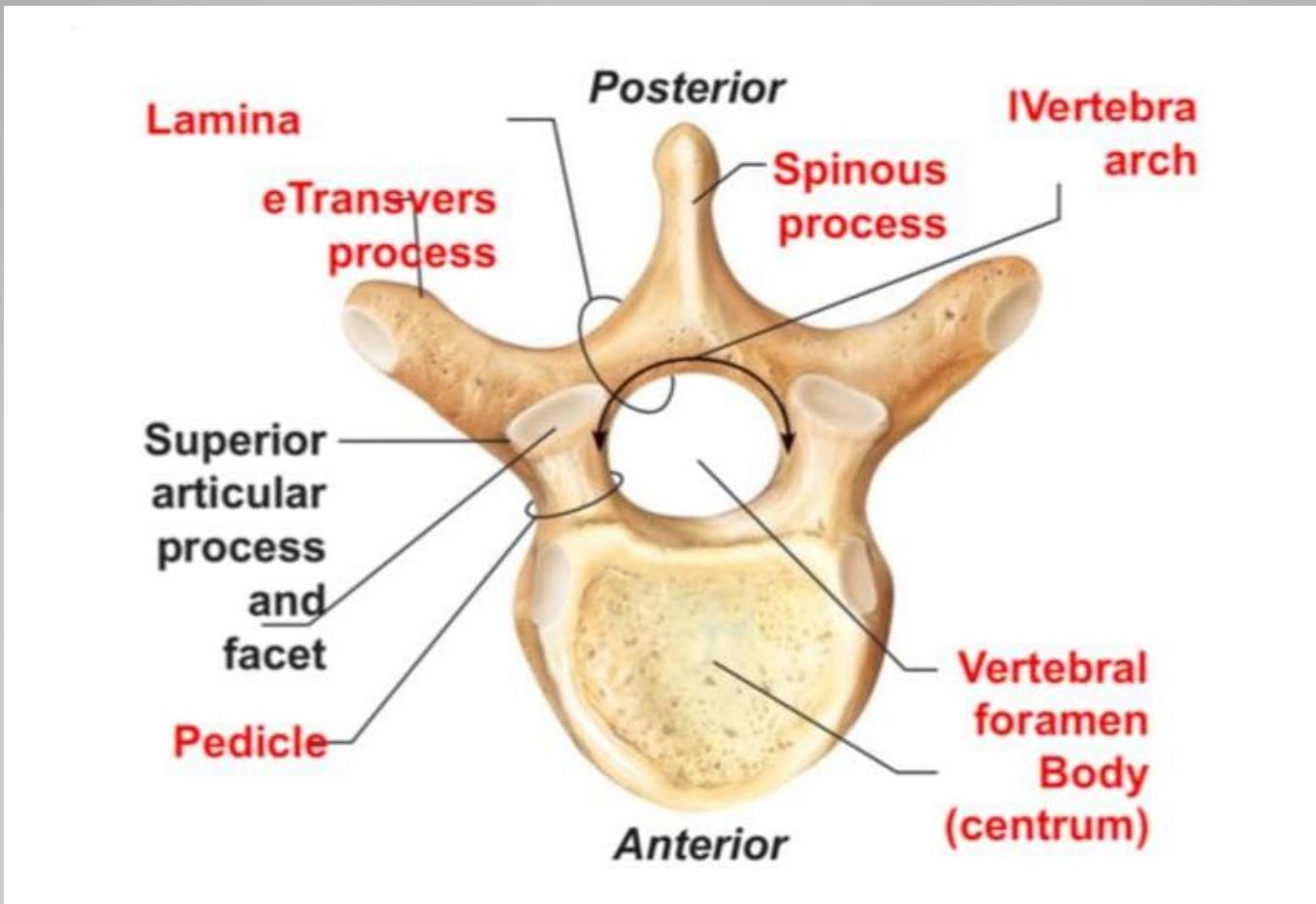
Lambdoid  
suture

Facial-  
bones

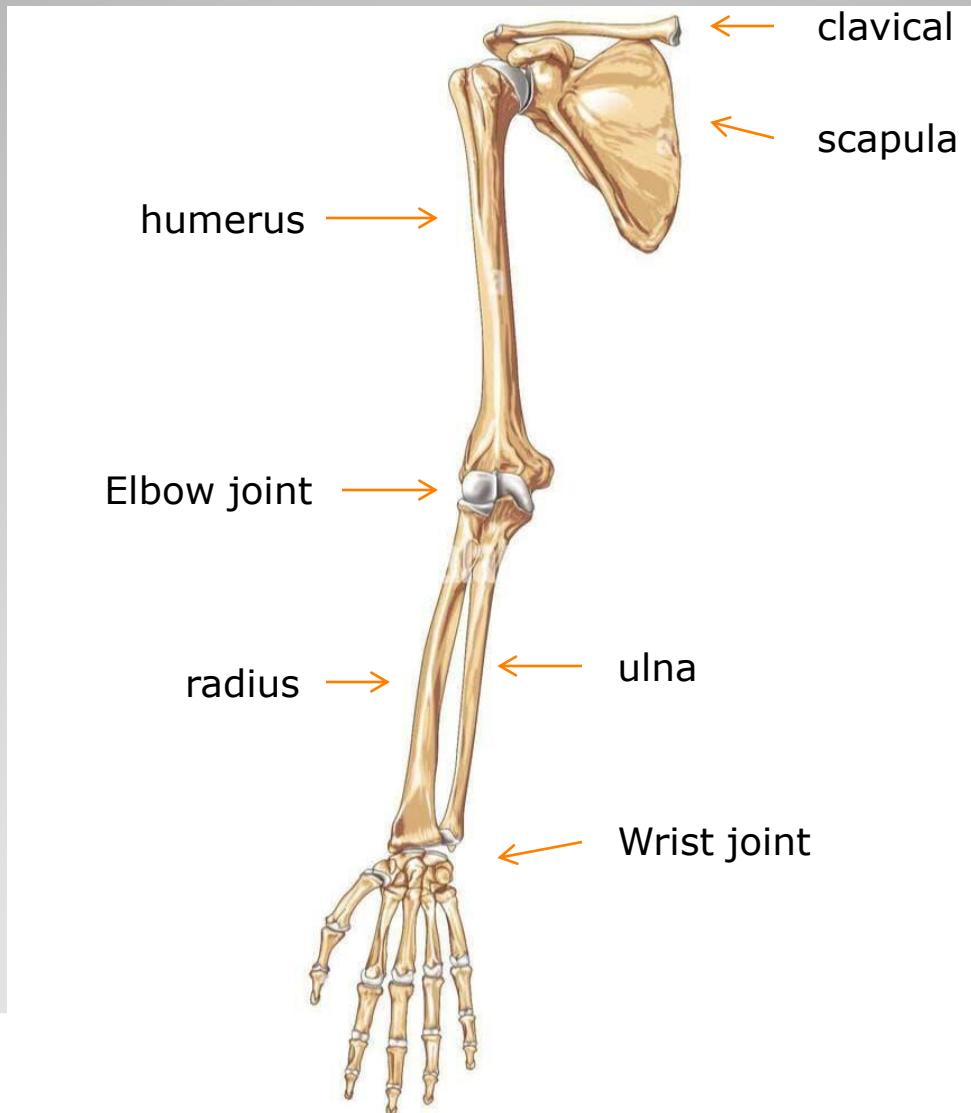


Cranial and facial divisions of the skull (a)

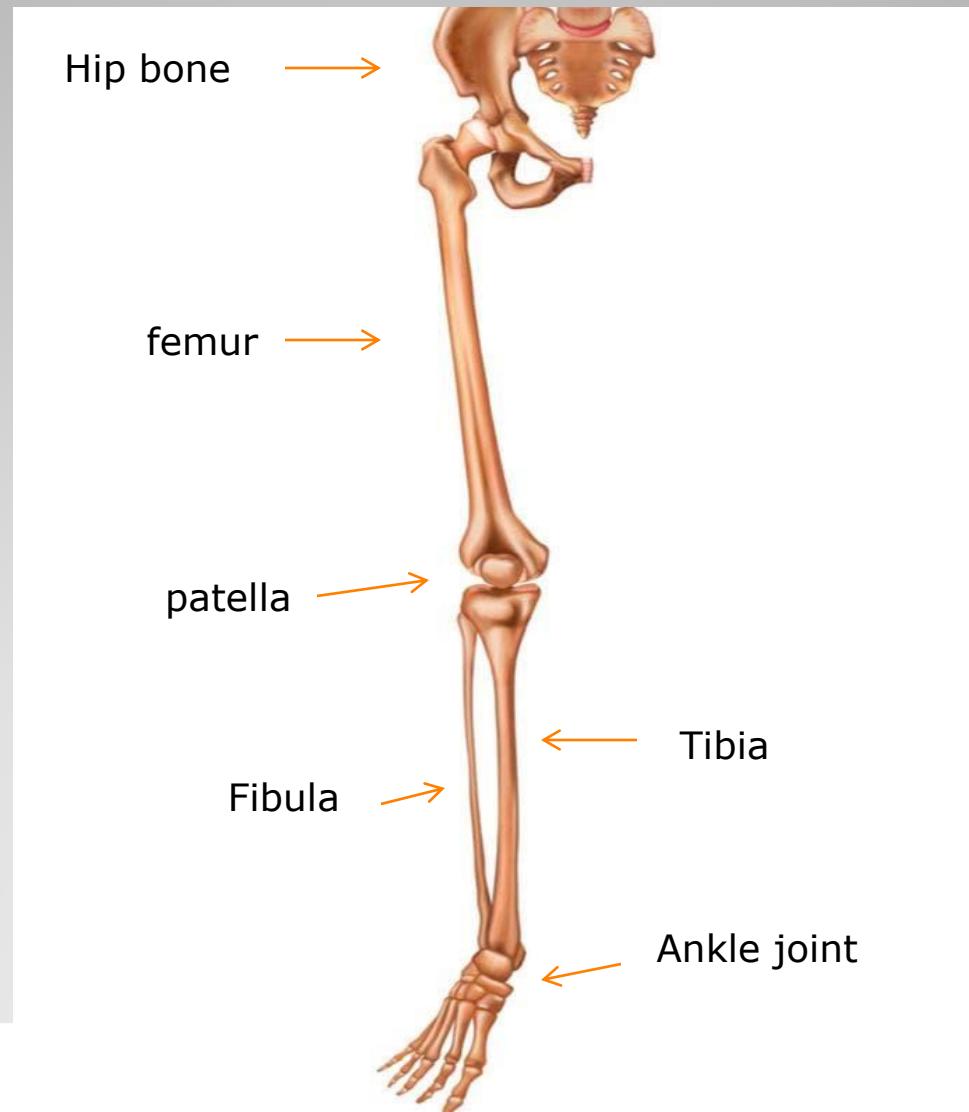
# VERTEBRA :-



## UPPER LIMB BONES :-



## LOWER LIMB BONES :-



# THANK YOU

