

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES

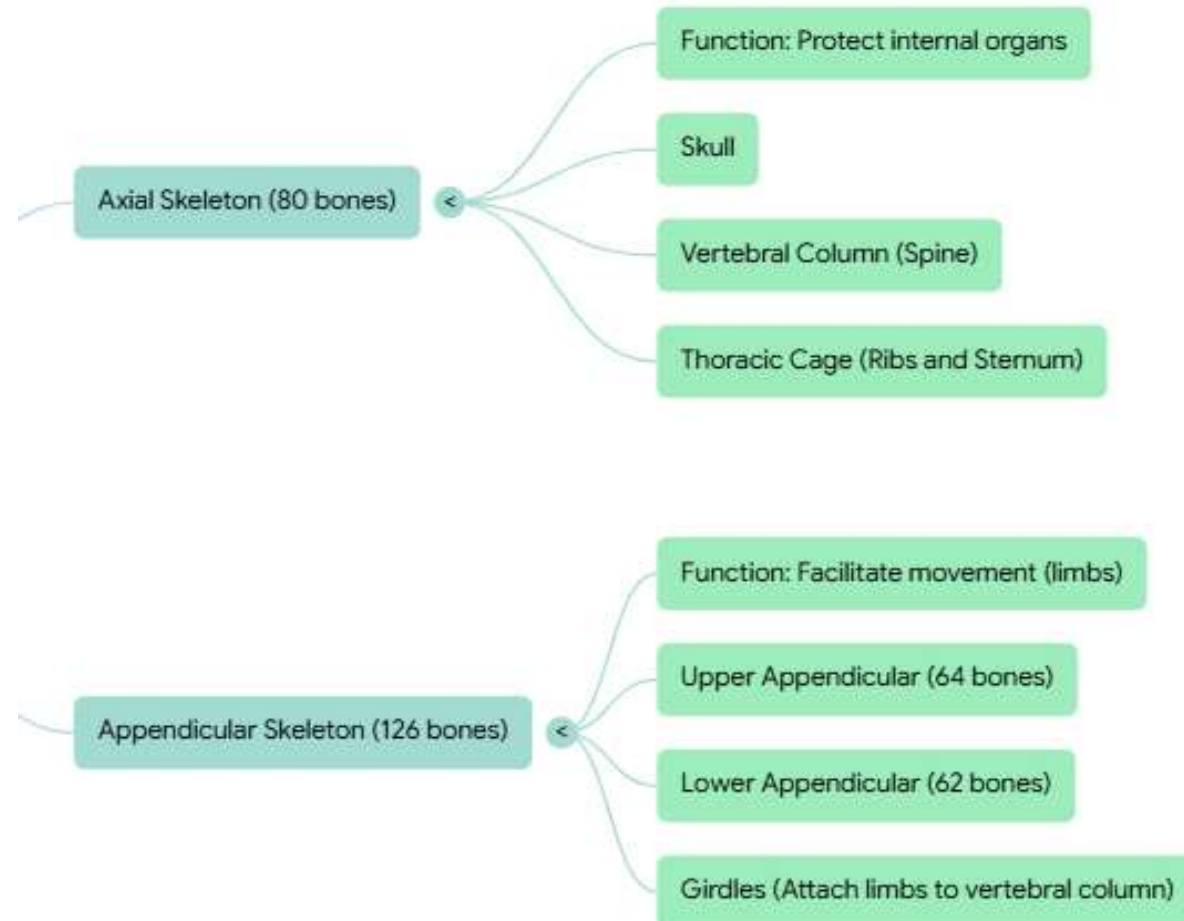
Affiliated To The Tamil Nadu Dr. MGR Medical University, Chennai
Approved by Pharmacy Council of India, New Delhi. Coimbatore -641035

COURSE NAME : HUMAN ANATOMY & PHYSIOLOGY (BP301 T)

YEAR : I SEM/I YEAR

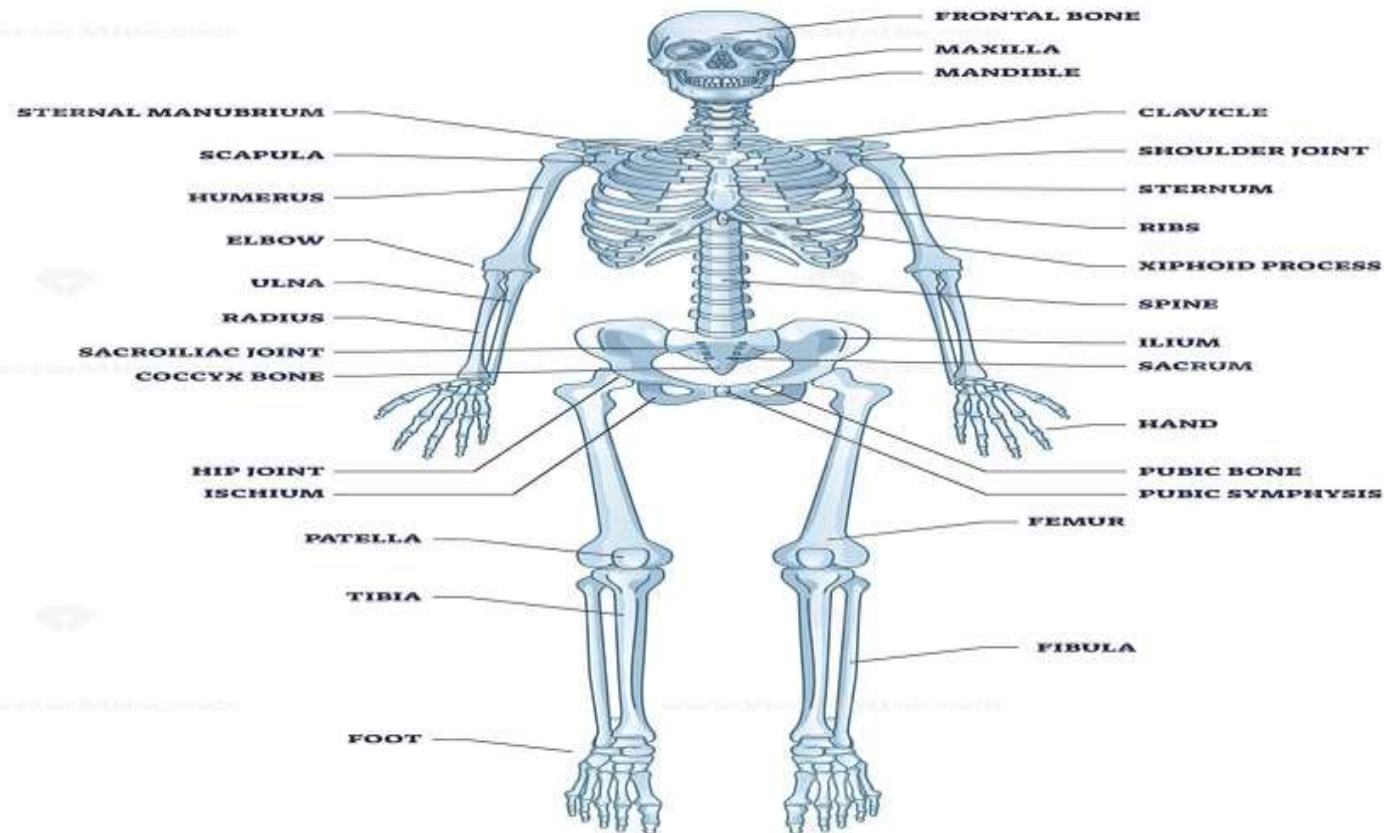
TOPIC : DIVISION OF SKELETAL SYSTEM

MIND MAP

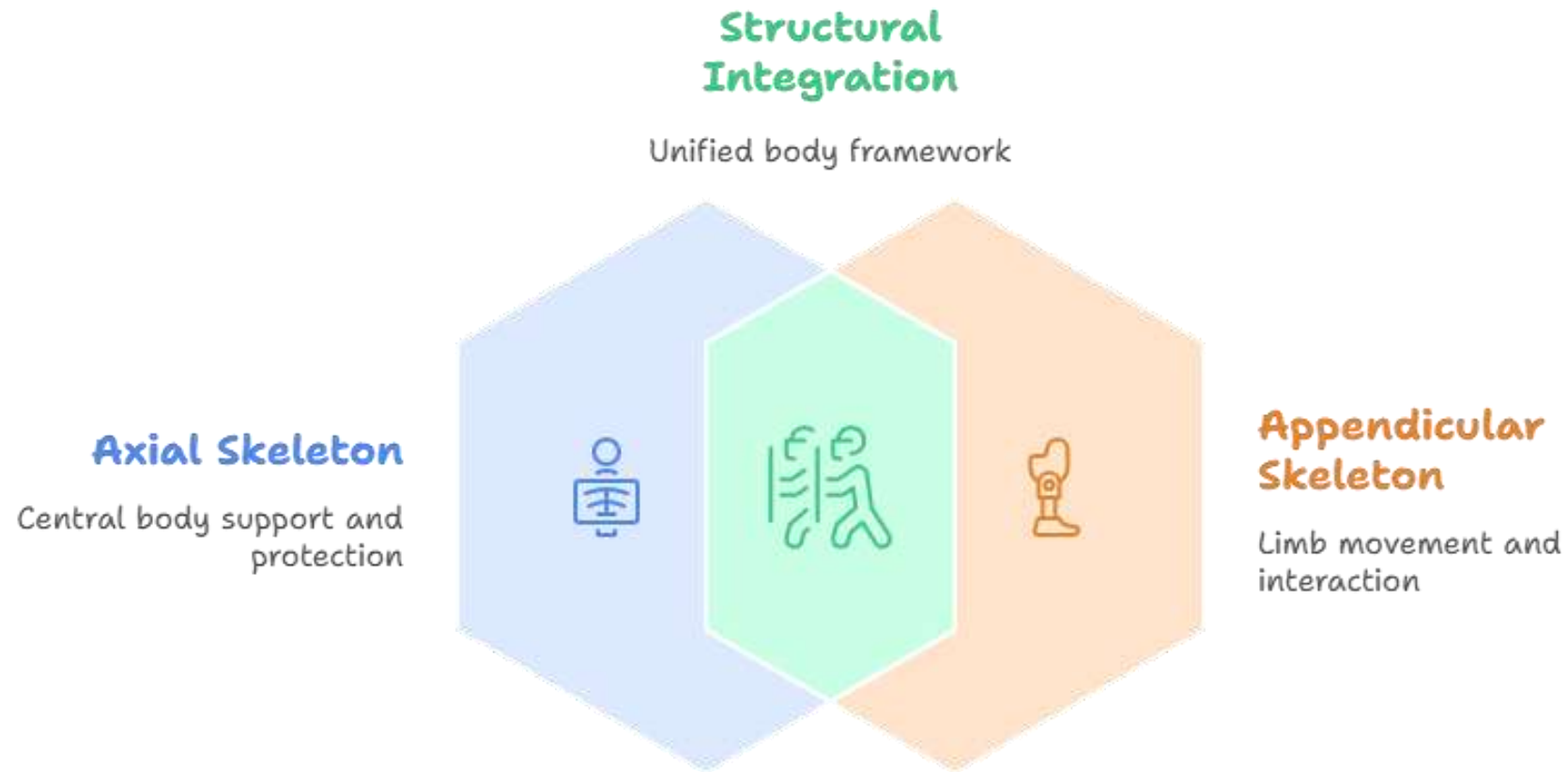


DIVISIONS OF SKELETAL SYSTEM

SKELETAL SYSTEM

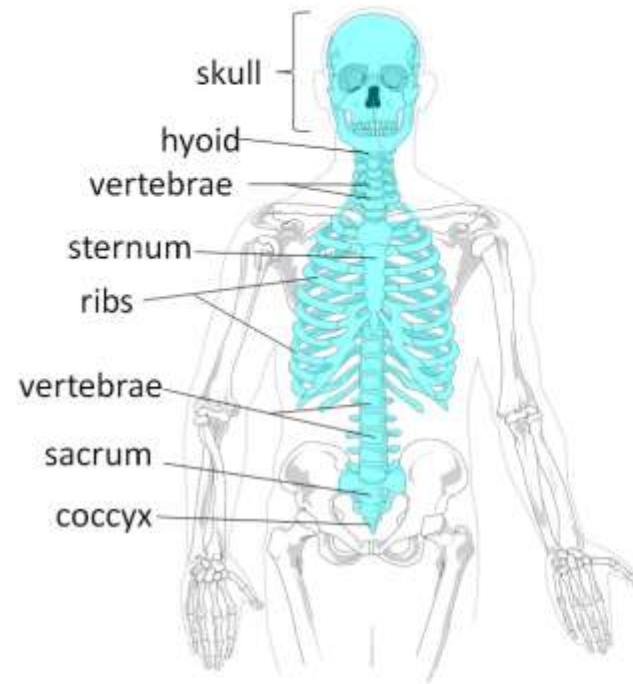


The Dual Nature of the Skeletal System

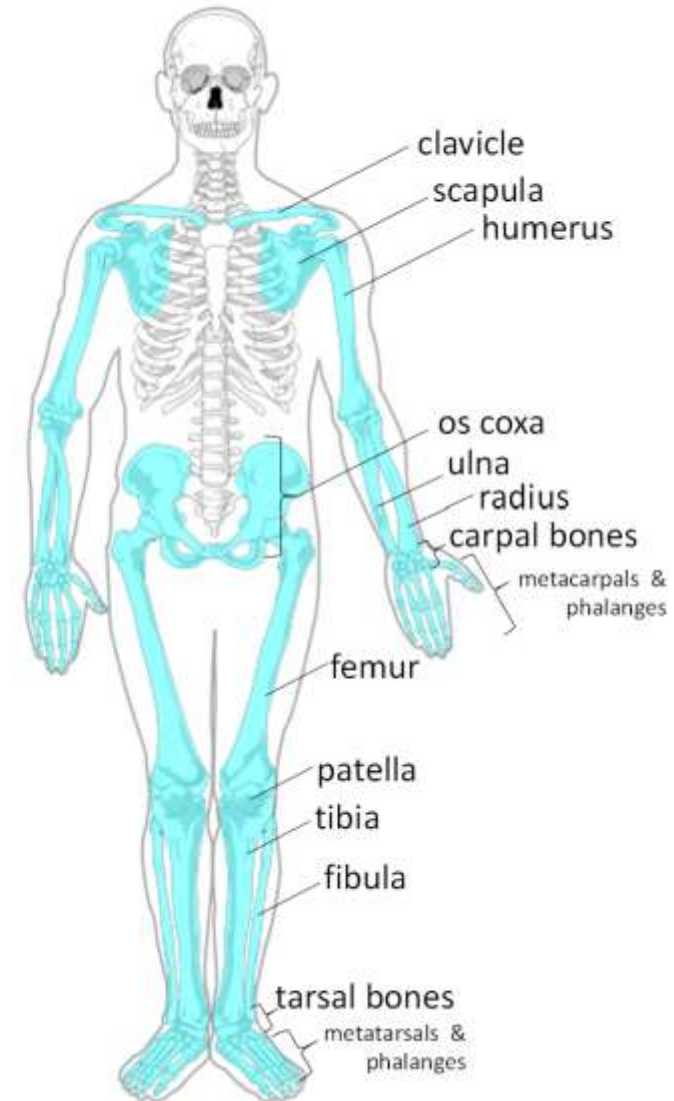


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Axial Skeleton



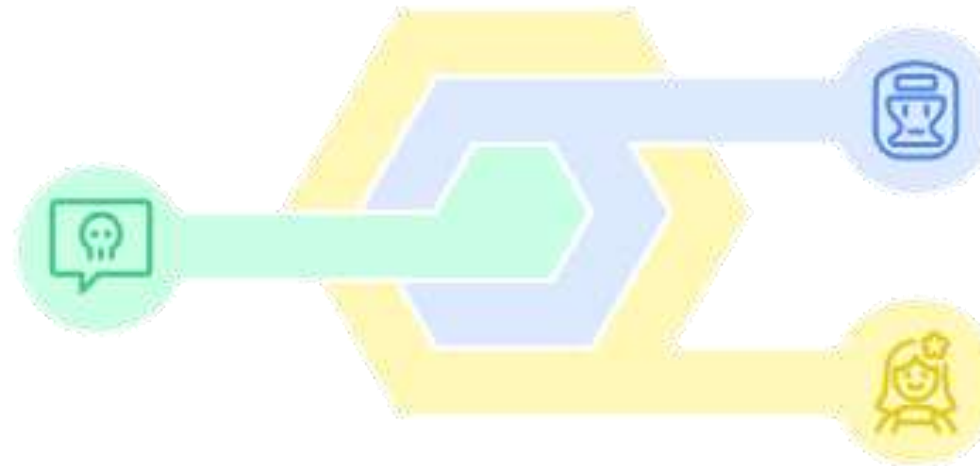
Appendicular Skeleton



Skull Structure and Function

Skull

Protective encasement for the brain

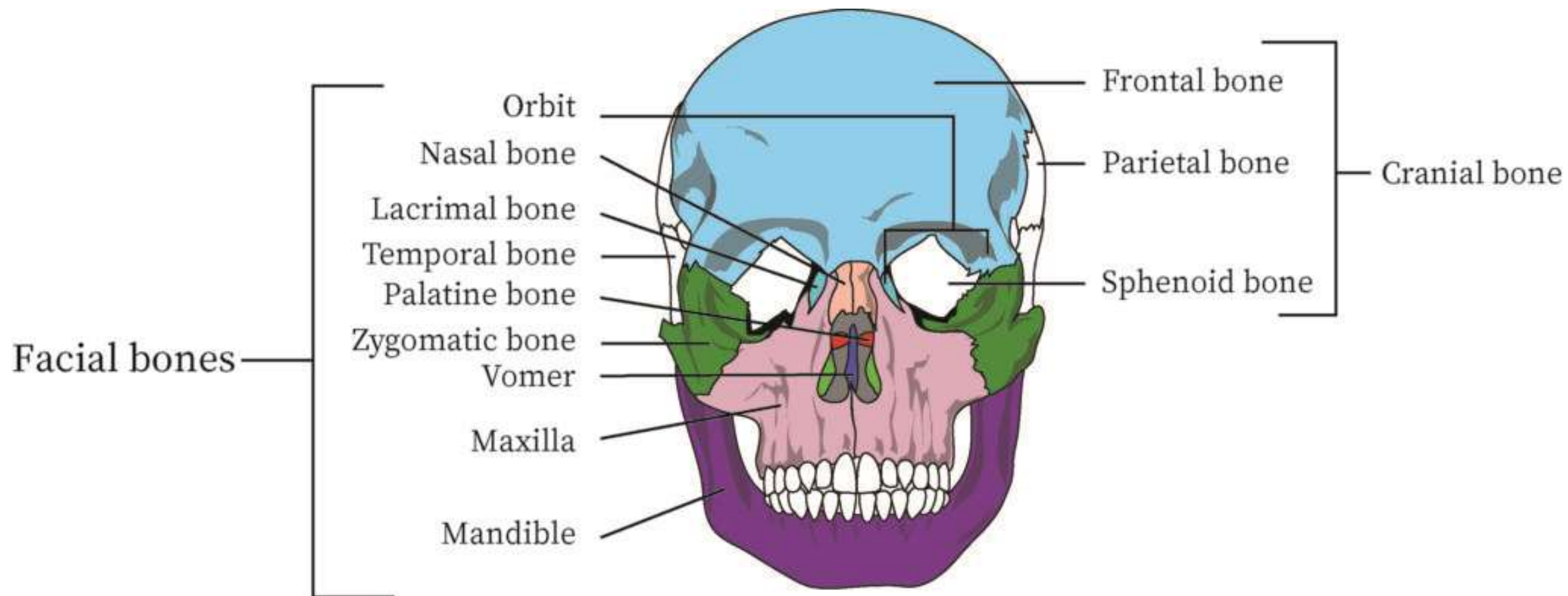


Cranial Bones

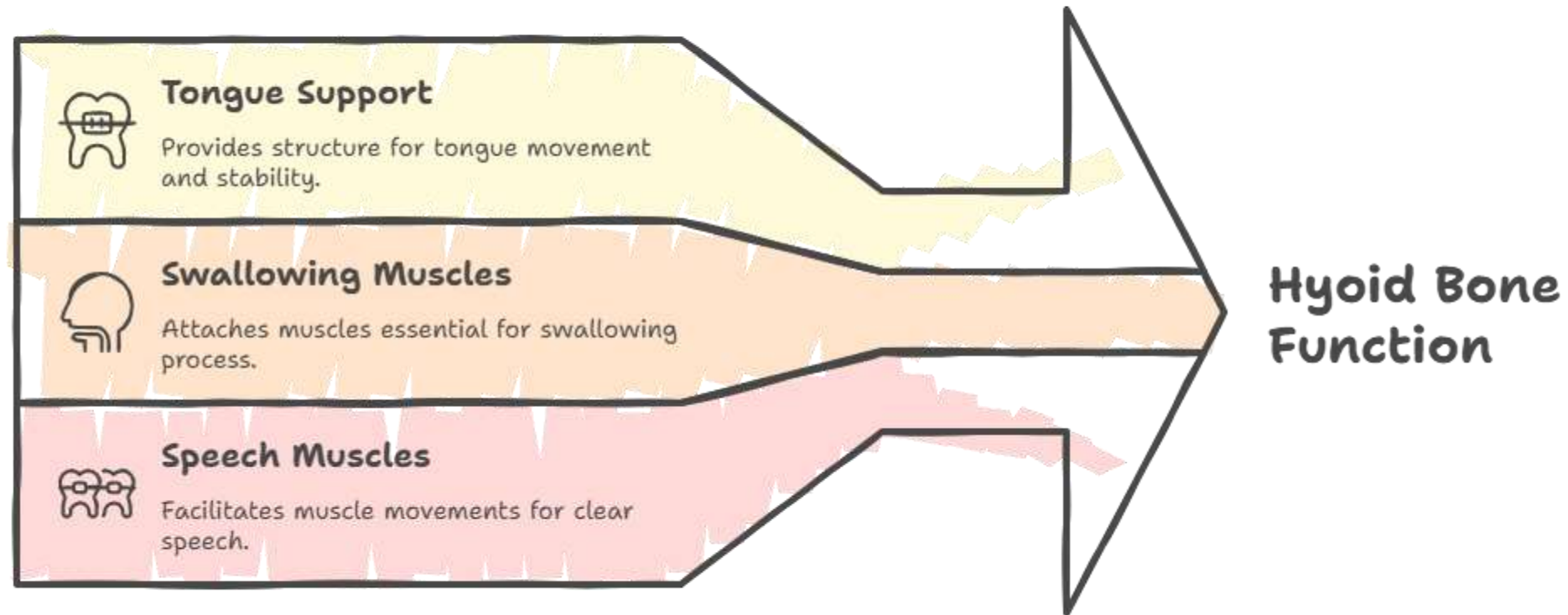
Enclose and protect the brain

Facial Bones

Define facial shape and support sensory organs

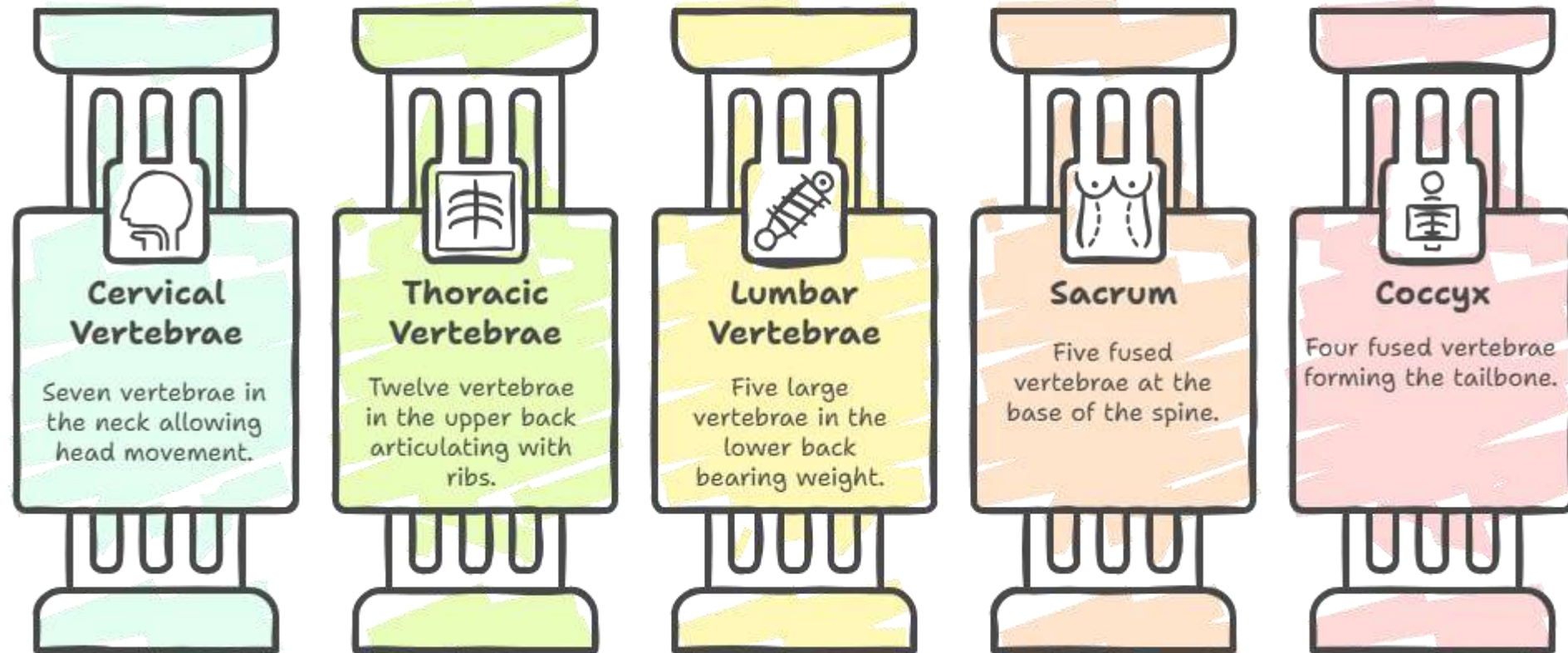


The Unique Role of the Hyoid Bone



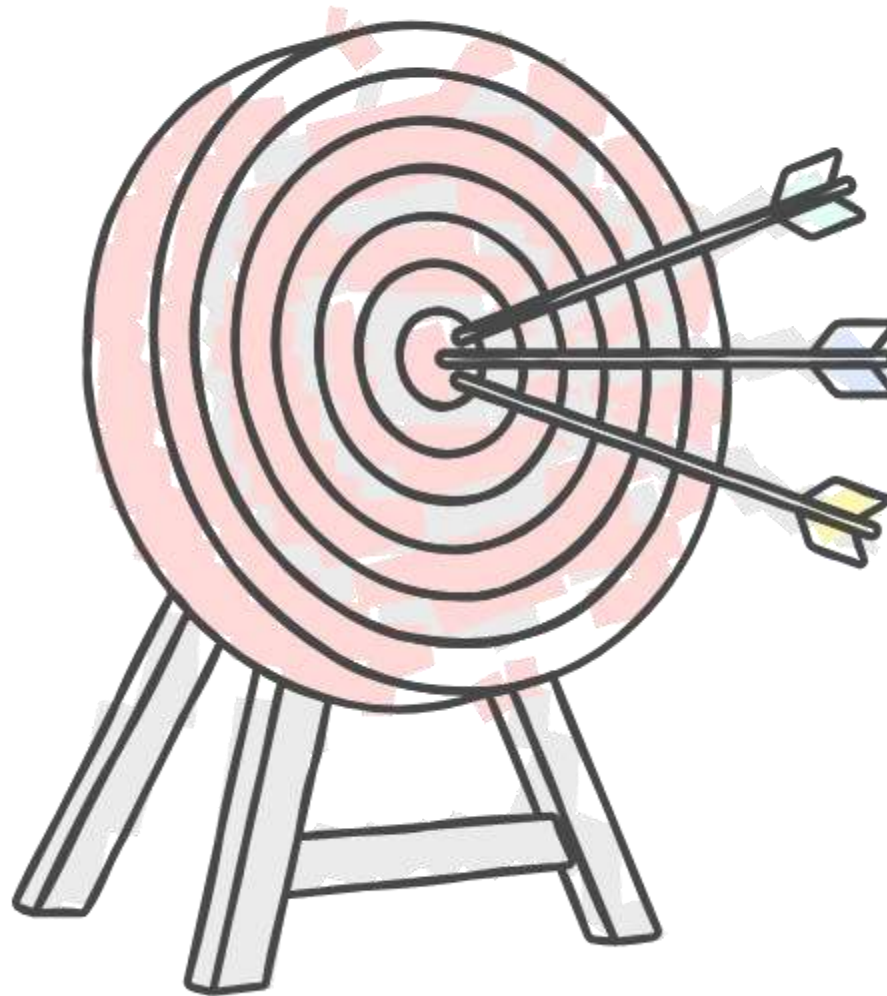
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Structure of the Vertebral Column



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Appendicular Skeleton Structure



Appendicular Skeleton

Bones of limbs and girdles



Limbs

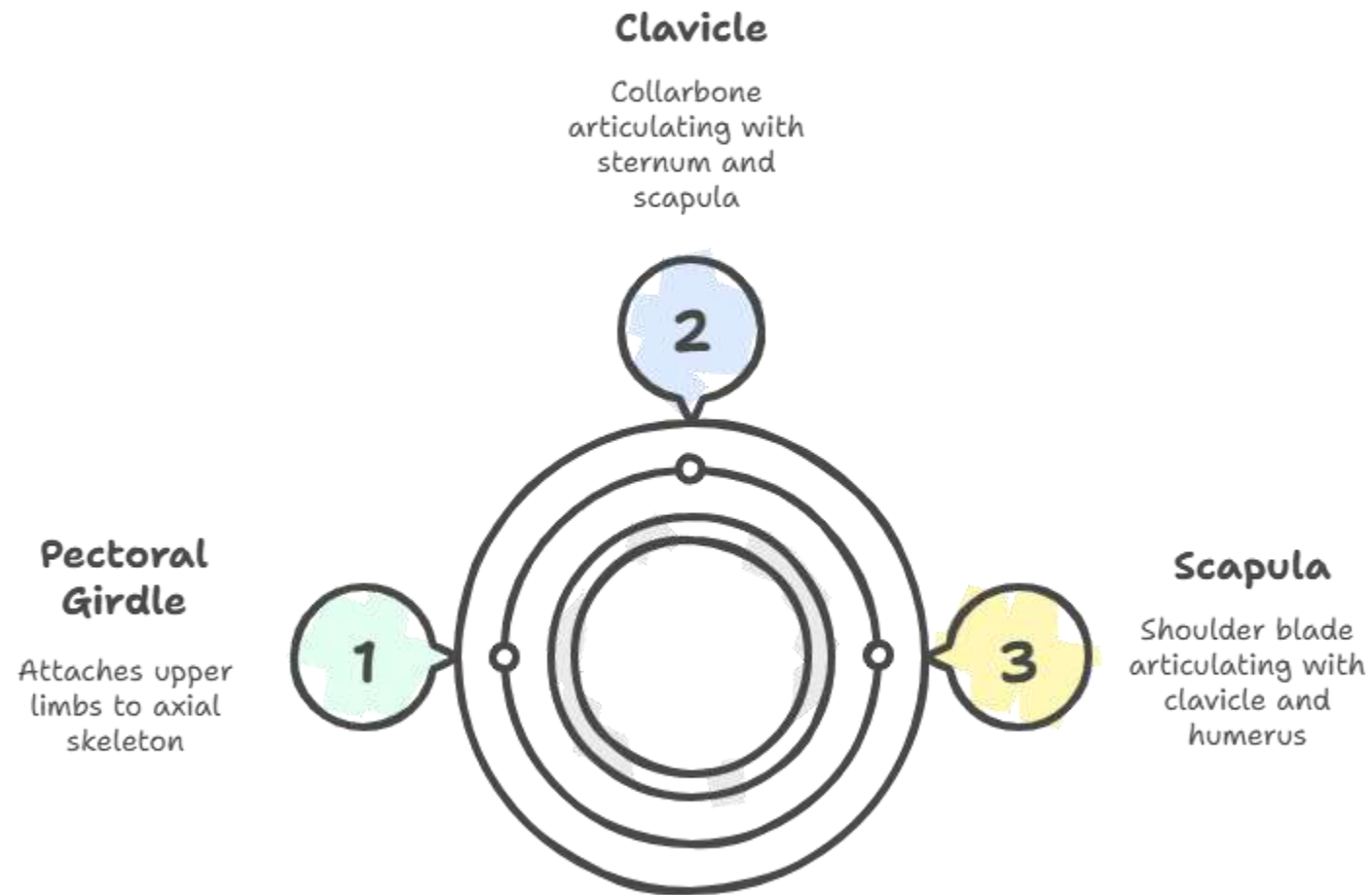
Bones enabling movement



Girdles

Attach limbs to axial skeleton

Pectoral Girdle Structure



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Lower Limb Bone Hierarchy

Thighs

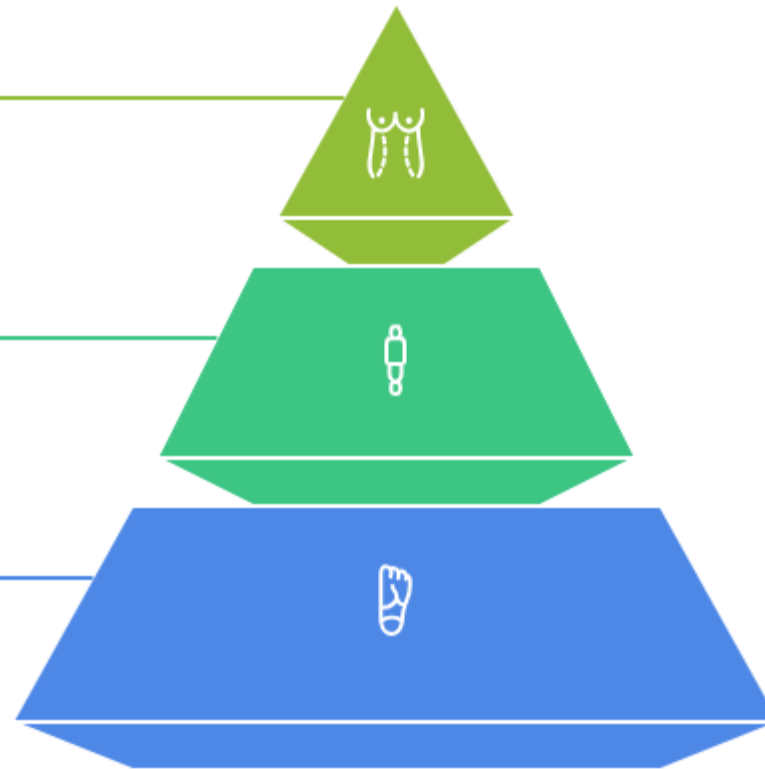
- Bones connecting legs to hip joint

Legs

- Bones providing stability and locomotion

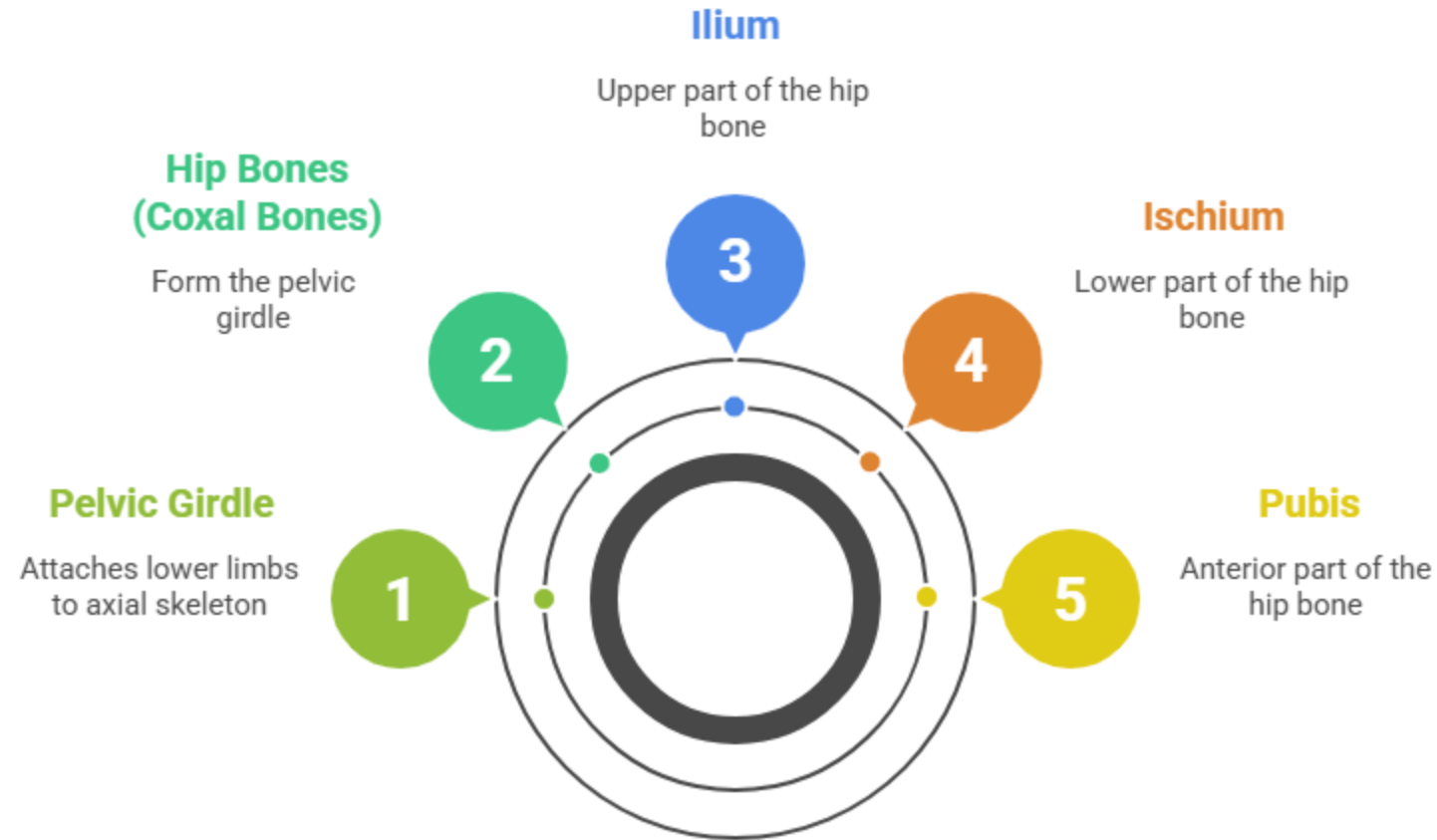
Feet

- Bones supporting body weight and movement



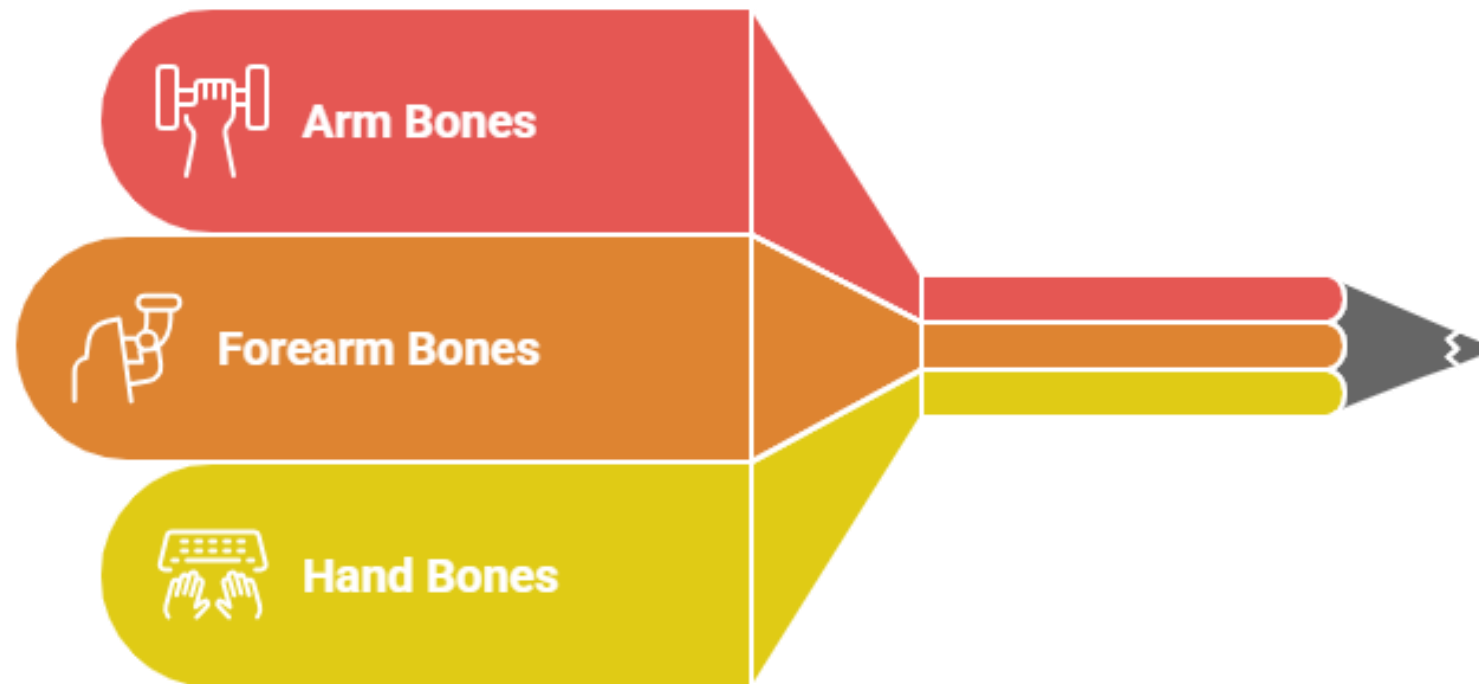
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Pelvic Girdle Structure



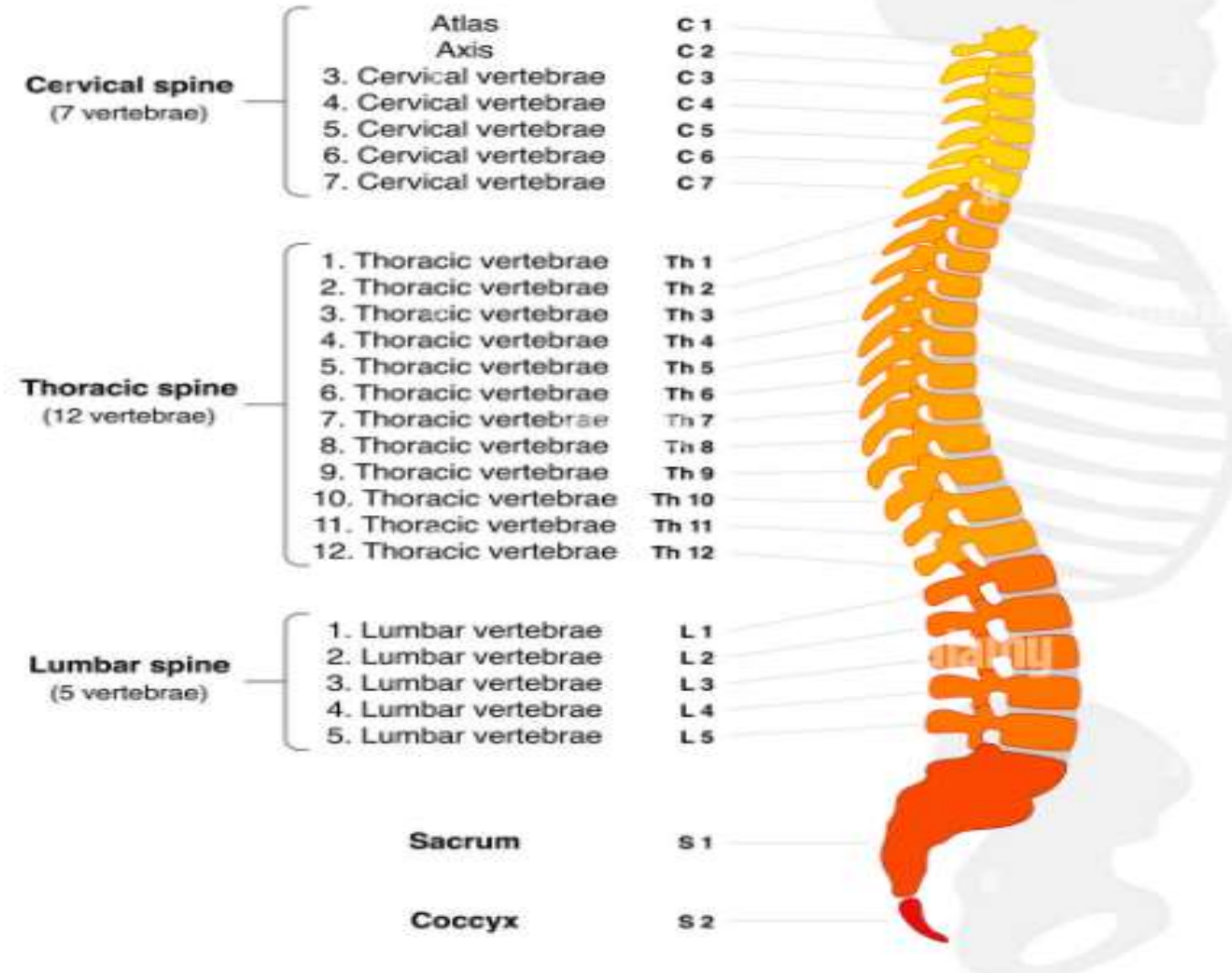
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Bones in Motion



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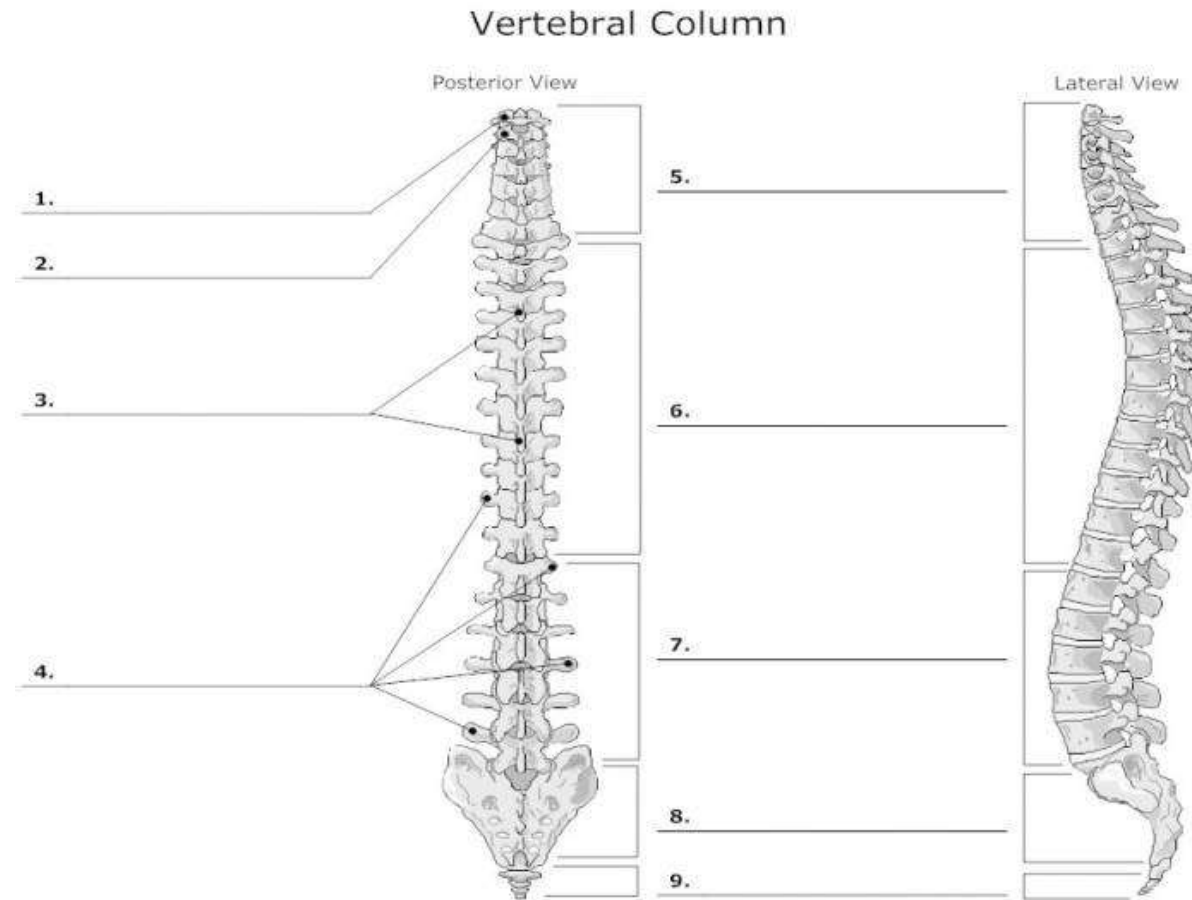
Human vertebral column





CLASS ASSESSMENTS

1. Mark the parts in diagram?

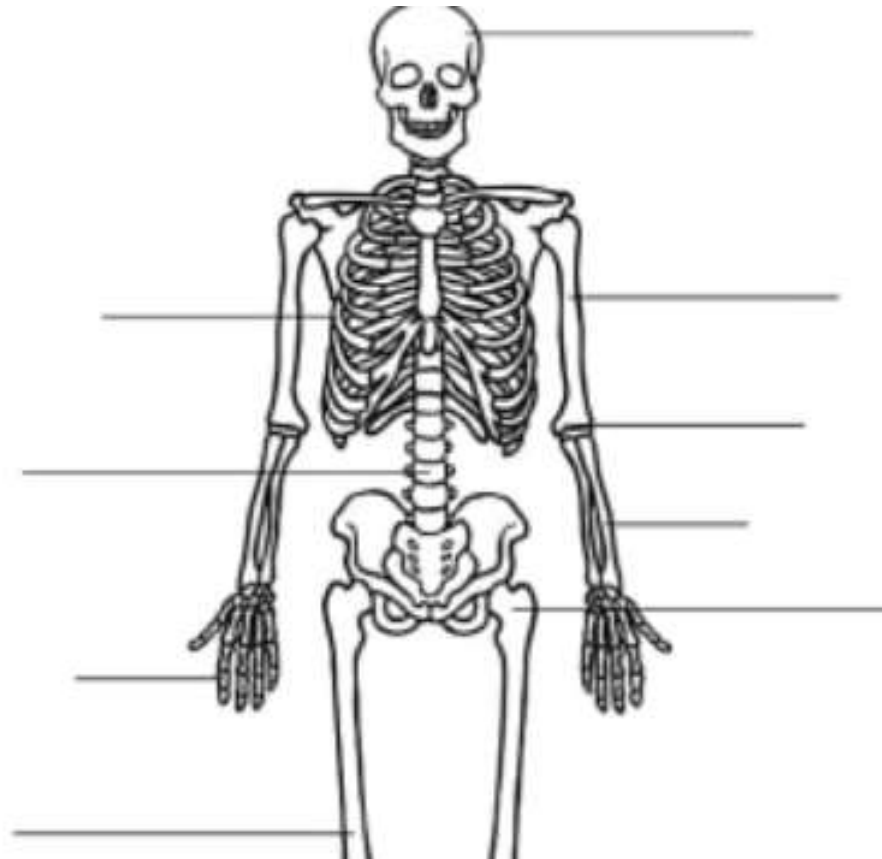


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CLASS ASSESSMENTS



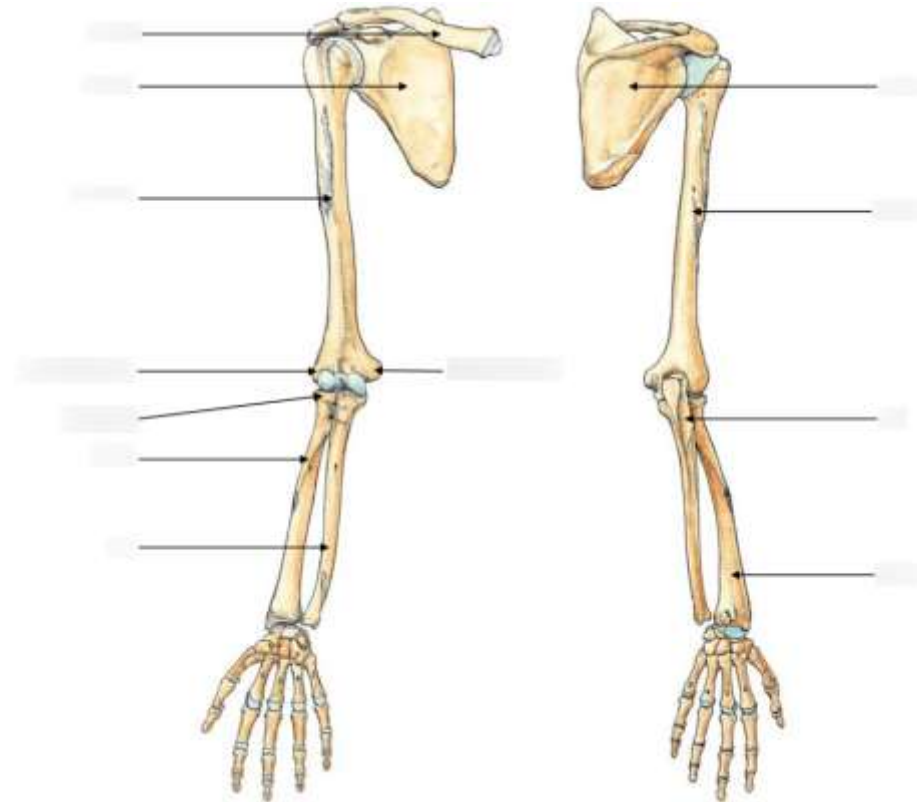
2. Mark the parts in diagram?



CLASS ASSESSMENTS



3. Mark the parts in diagram?



SUMMARY

- The human skeletal system is divided into two main parts:
- **Axial Skeleton** (80 bones) – forms the central axis; includes skull, vertebral column, ribs, and sternum.
- **Appendicular Skeleton** (126 bones) – consists of limbs and girdles; includes shoulder (pectoral) girdle, pelvic girdle, arms, and legs.

REFERENCE

- ✓ Essentials of Medical Physiology, K. Sembulingam & P. Sembulingam (Jaypee Brothers Medical Publishers)
- ✓ A Textbook of Human Anatomy and Physiology-I, SIA Publishers
- ✓ Human Anatomy & Physiology Gerard J. Tortora & Bryan H. Derrickson (Wiley)
- ✓ Ross and Wilson anatomy and physiology in health and illness, Anne Waugh & Allison Grant.

