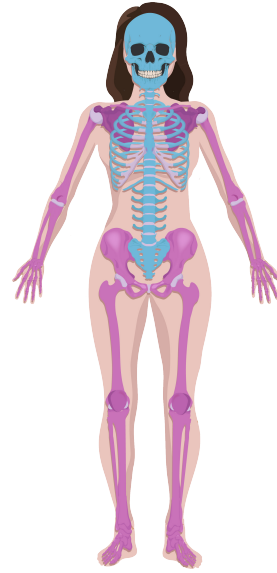


CONCEPT: PARTS OF THE SKELETON

Skeletal Organization

- ◆ The human skeleton contains _____ bones.
- ◆ Organized into ____ main parts:
 - **Axial Skeleton:** Skull, vertebral (spinal) column, & _____ cage.
 - Supports body structure & protects internal organs.
 - **Appendicular Skeleton:** _____ & the pectoral & pelvic girdles.
 - Provides body _____.



EXAMPLE

Identify which answer correctly distinguishes between the axial and appendicular skeleton.

- | | |
|---|--|
| a) Axial: Skull, tail bone, pelvis. | Appendicular: Shoulder blades, wrist bones, knee cap. |
| b) Axial: Heel bone, femur, hip bones. | Appendicular: Spine, ribs, skull. |
| c) Axial: Carpals, sacrum, humerus. | Appendicular: Ribs, hip bones, femur. |
| d) Axial: Ribs, spine, head. | Appendicular: Shoulder blades, finger bones, femur. |

CONCEPT: PARTS OF THE SKELETON

Major Bones of the Axial Skeleton

Skull:

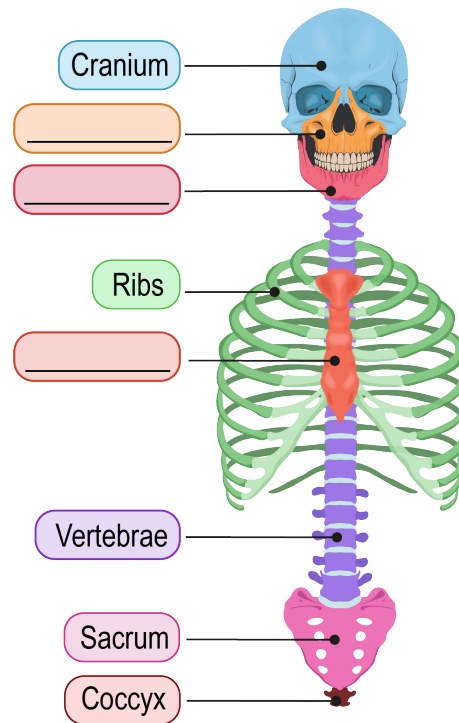
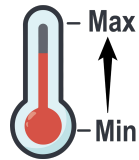
- **Head:** Cranium
- **Upper Jaw:** Maxilla
- **Lower Jaw:** Mandible

Thoracic Cage:

- Ribs
- **Breastbone:** Sternum

Spinal Column:

- Vertebrae
- Sacrum
- **Tailbone:** Coccyx



EXAMPLE

Write the anatomical names for the following bones in the space provided.

a) Tail bone _____

b) Breastbone _____

c) Upper jawbone _____

d) Lower jawbone _____

CONCEPT: PARTS OF THE SKELETON

Major Bones of the Appendicular Skeleton

Pectoral Girdle: connects _____ limbs to axial skeleton.

- **Collarbone:** Clavicle.
- **Shoulder Blade:** Scapula.

Upper Limbs:

- **Upper Arm:** Humerus.
- **Forearm:** Radius & Ulna.
- **Hand:** Carpals, Metacarpals, Phalanges.

____ igh ____ !
Radius Thumb, Ulna Pinky.

Pelvic Girdle: connects _____ limbs to axial skeleton.

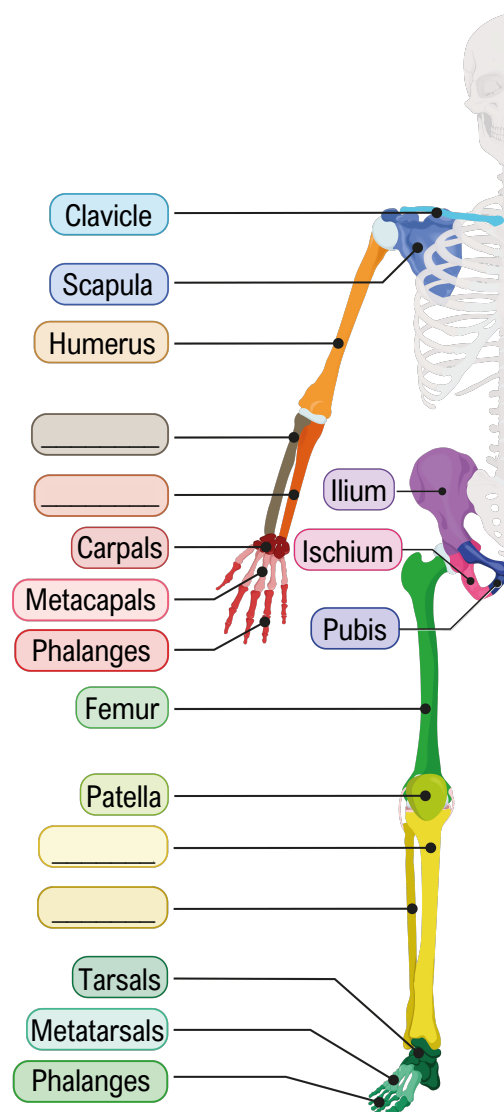
- Ilium, Ischium, & Pubis.

____ ium = Large
____ ium = Small

Lower Limbs:

- **Thigh:** Femur.
- **Kneecap:** Patella.
- **Lower Leg:** Tibia (Shinbone) & Fibula.
- **Foot:** Tarsals, Metatarsals, Phalanges.

Tibia _____ &
Fibula Falls _____.



EXAMPLE

For each of the following bones, write the anatomical name in the provided space.

- | | |
|-----------------------|-----------------------------------|
| a) Kneecap _____ | e) Collarbone _____ |
| b) Skull _____ | f) The thicker forearm bone _____ |
| c) Arm _____ | g) Thighbone _____ |
| d) Finger bones _____ | h) Shin bone _____ |

PRACTICE

Which of the following combinations of bone names, with their types, and organization within the skeleton are correct?

- a) Tibia, long bone, axial skeleton.
- b) Vertebrae, irregular bones, appendicular skeleton.
- c) Ribs, flat bones, axial skeleton.
- d) Patella, flat bone, appendicular skeleton.