

The Appendicular Skeleton

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In the previous segment, we learned about **The axial skeleton and its parts**. In this segment, we will learn about The appendicular skeleton and its parts.

What is the Appendicular skeleton?

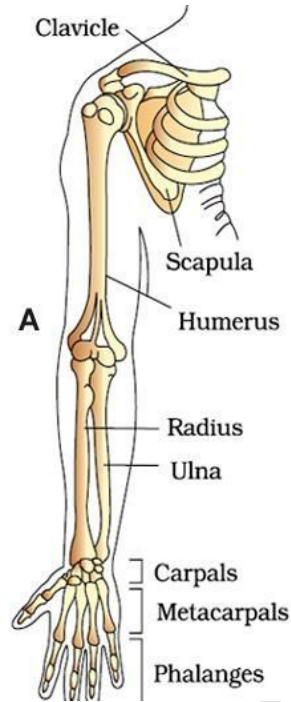
All the other bones in our body except for the **Skull, Vertebral Column** and the **Rib Cage** are part of the appendicular skeleton.

The parts of this skeleton are **Forelimbs, Hindlimbs, Pectoral Girdle** and **Pelvic Girdle**.

- **What are the forelimbs?**

The hands of the human body are known as forelimbs. There are many different bones present in the hand. They are as follows:

- **Humerus** - It is the bone that joins the shoulder to the forearm region.
- **Radius** - One of the two bones present in the forearm.
- **Ulna** - Longer bone present in the forearm.
- **Carpals** - The bones present in the **Wrist**.
- **Metacarpals** - The bones of the **Palm** region.
- **Phalanges** - The bones present in the **Fingers**.

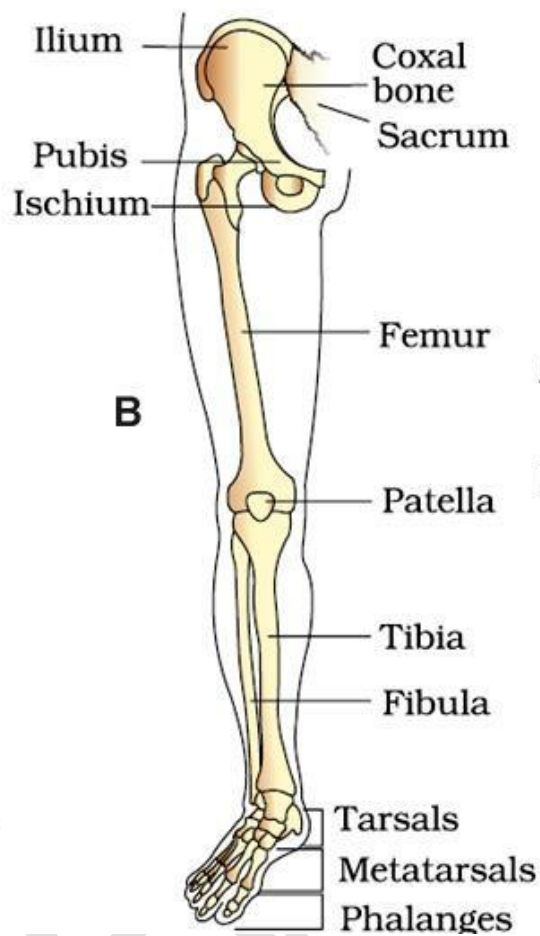


Forelimb

- **What are the hindlimbs?**

The hindlimbs are the legs of our body. There are many different bones present in the leg. They are as follows:

- **Femur** - The **Longest** and the **Strongest** bone of our body. It connects the pelvic girdle to the lower part of the legs.
- **Tibia** - The larger of the two bones present in the lower leg.
- **Fibula** - The smaller bone present in the lower leg. It's also known as the **Calf Bone**.
- **Patella** - The triangular bone that forms the **Knee Cap**.
- **Tarsals** - The bones present in the **Ankle** region.
- **Metatarsals** - The bones that are present in the foot.
- **Phalanges** - The bones which make up the toes in the foot.

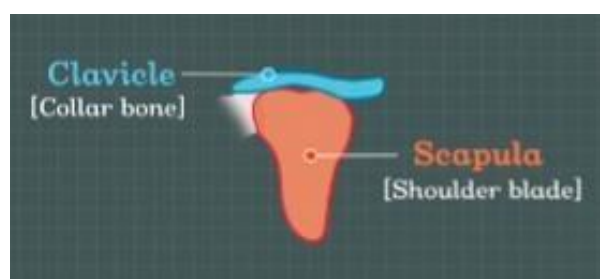


Hindlimbs

- **What is the pectoral girdle?**

The bones that form the shoulder region of the human body is known as the Pectoral girdle. It is made up of two bones present on either side.

- **Scapula** - The **Shoulder Blade** of the body.
- **Clavicle** - It is the **Collar Bone** of the body.

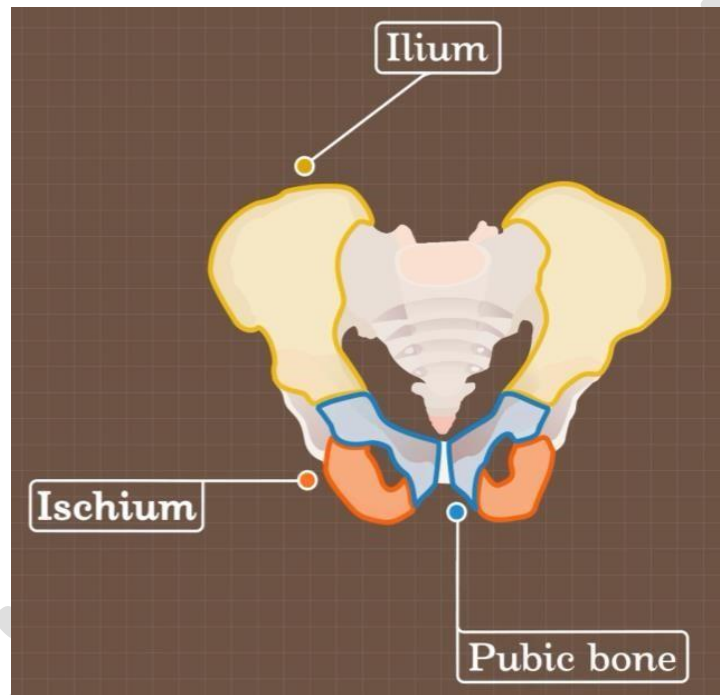


Clavicle and Scapula

● **What is the pelvic girdle?**

The bone that forms the hip region is called the pelvic girdle. It is composed of hip bones and a small part of the vertebral column. The Coccyx and the Sacrum are the parts of the axial skeleton. Hip bones are part of **Appendicular Skeleton**. There are three major parts of the hip bone: the ilium, the ischium and the pubic bone.

- **Ilium** - The largest part of the hip bone.
- **Ischium** - Forms the back part of the hip bone.
- **Pubic bone** - Third part of the hip bone.



Ilium, ischium and pubic bone

Summary

Appendicular Skeleton	Part of the skeleton that forms the appendages.
Different Structures of the Appendicular Skeleton	
Forelimbs	<ul style="list-style-type: none"> ● They form the hands of the human body.
	Composed of different bones: <ul style="list-style-type: none"> ○ Humerus ○ Radius

	<ul style="list-style-type: none"> ○ Ulna ○ Carpals ○ Metacarpals ○ Phalanges
Hindlimbs	<ul style="list-style-type: none"> ● They form the legs of our body. ● Composed of different bones: <ul style="list-style-type: none"> ○ Femur ○ Tibia ○ Fibula ○ Patella ○ Tarsals ○ Metatarsals ○ Phalanges
Pectoral Girdle	<ul style="list-style-type: none"> ● Bones present in the shoulder region. ● Composed of different bones: <ul style="list-style-type: none"> ○ Scapula ○ Clavicle
Pelvic Girdle	<ul style="list-style-type: none"> ● Bones present in the hip region. ● Composed of different bones: <ul style="list-style-type: none"> ○ Sacrum ○ Coccyx ○ Ilium ○ Ischium ○ Pubic bone

What's next?

In the next segment of Class 6 Science, we will learn about the **Joints**.