

The Joints and Its Types

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In the previous segment, we learned about the **Appendicular skeleton and its parts**. In this segment, we will learn about the Joints.

What is a Joint?

The Joints are the locations where the bones are attached to each other in order to facilitate the movement of the body parts.

What are the Different types of joints?

Joints in the body are classified into two major types. They are Functional joints and Structural joints.

- **What are Functional joints?**

Functional joints are a category of joints classified on the basis of functions they serve. Based on how much they can move, they are categorised as the **Fixed Joints**, the **Partly Movable Joints**, and the **Fully Movable Joints**.

- **What are Structural joints?**

Structural joints classify joints on the basis of the material filled in the cavity of joints. There are three types of structural joints: Fibrous joints, cartilaginous joints, and synovial joints.

- **Fibrous Joints** have fibres in between to seal the bones together.
- **Cartilaginous Joints** have cartilage, that is a gelatinous, soft yet stiff substance, filling the gaps that form the joints.
- **Synovial Joints** have a fluid called synovial fluid to fill the gap. The fluid has an egg-white like consistency and helps in reducing friction between the bones.

Joint	Points where the bones are attached to each other.
Different Types of Joints	
Functional Joints	<ul style="list-style-type: none"> ● Classified on the basis of function. ● Three types: <ul style="list-style-type: none"> ○ Fixed Joints ○ Partly Movable Joints ○ Fully Movable Joints
Structural Joints	<ul style="list-style-type: none"> ● Classified on the basis of material filled in the cavity. ● Three types: <ul style="list-style-type: none"> ○ Fibrous Joints ○ Cartilaginous Joints ○ Synovial Joints

What's next?

In the next segment of Class 6 Science, we will learn about the **Functional joints and its types.**