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## **Bones**

- Bones form a framework of the body over which the muscles are wrapped together.
- The bone tissue is strong and inflexible in nature.
- Therefore, the bone cells are present in a rigid matrix which is formed from calcium and phosphorus.

## **Haversian Canals**

### **Draw a Figure of Haversian Canal**

- The bones comprises of microscopic tubes called **Haversian Canals**.
- They are contained in osteons, rough cylindrical structures present along the axis of the bone.
- They allow the blood vessels, lymphatic vessels, and nerve fibres to travel through them.
- These canals have concentric channels called **Lamellae** around them.
- The Haversian canals communicate with bone cells through connections called **Canaliculi**.

## **Cartilage**

- Cartilage is present over the joints of the bones and provides them with a smooth structure.