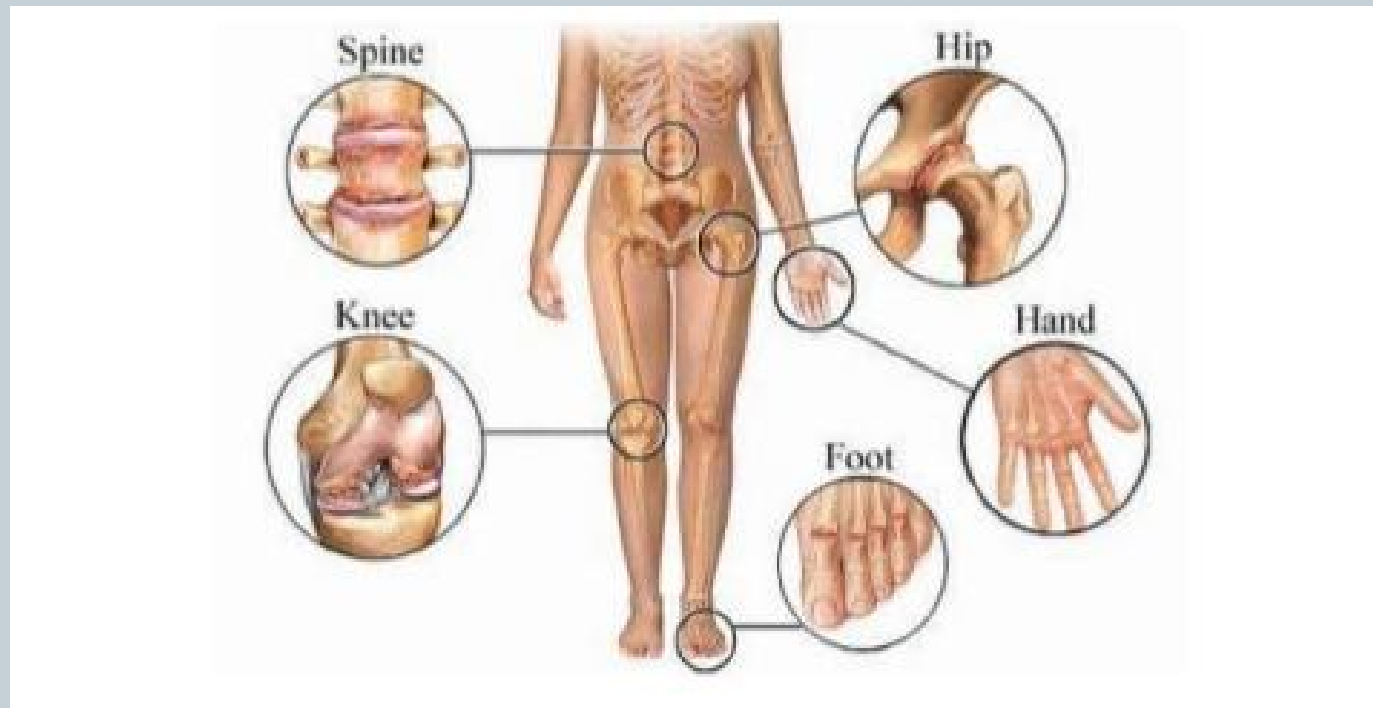


Arthrology



Arthrology

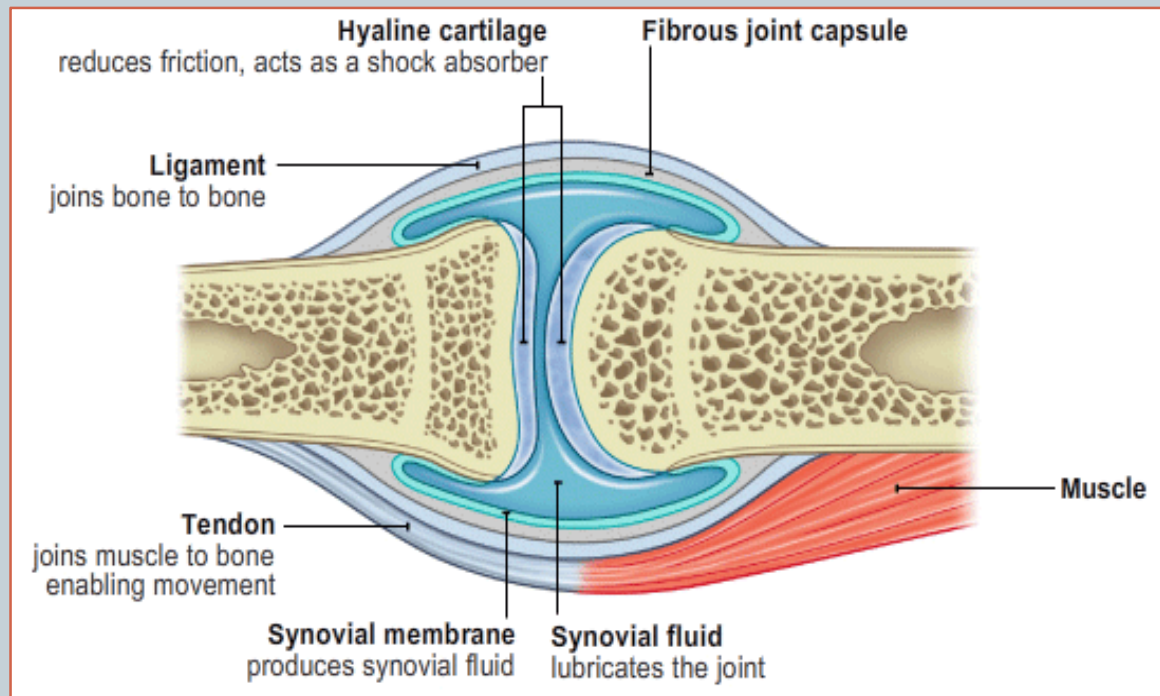


- Joint or arthre
- Arthritis

- Classification by movement:
 1. Synovial joint
 2. Semisolid joint
 3. Solid joint

Diarthrosis or Synovial Joints

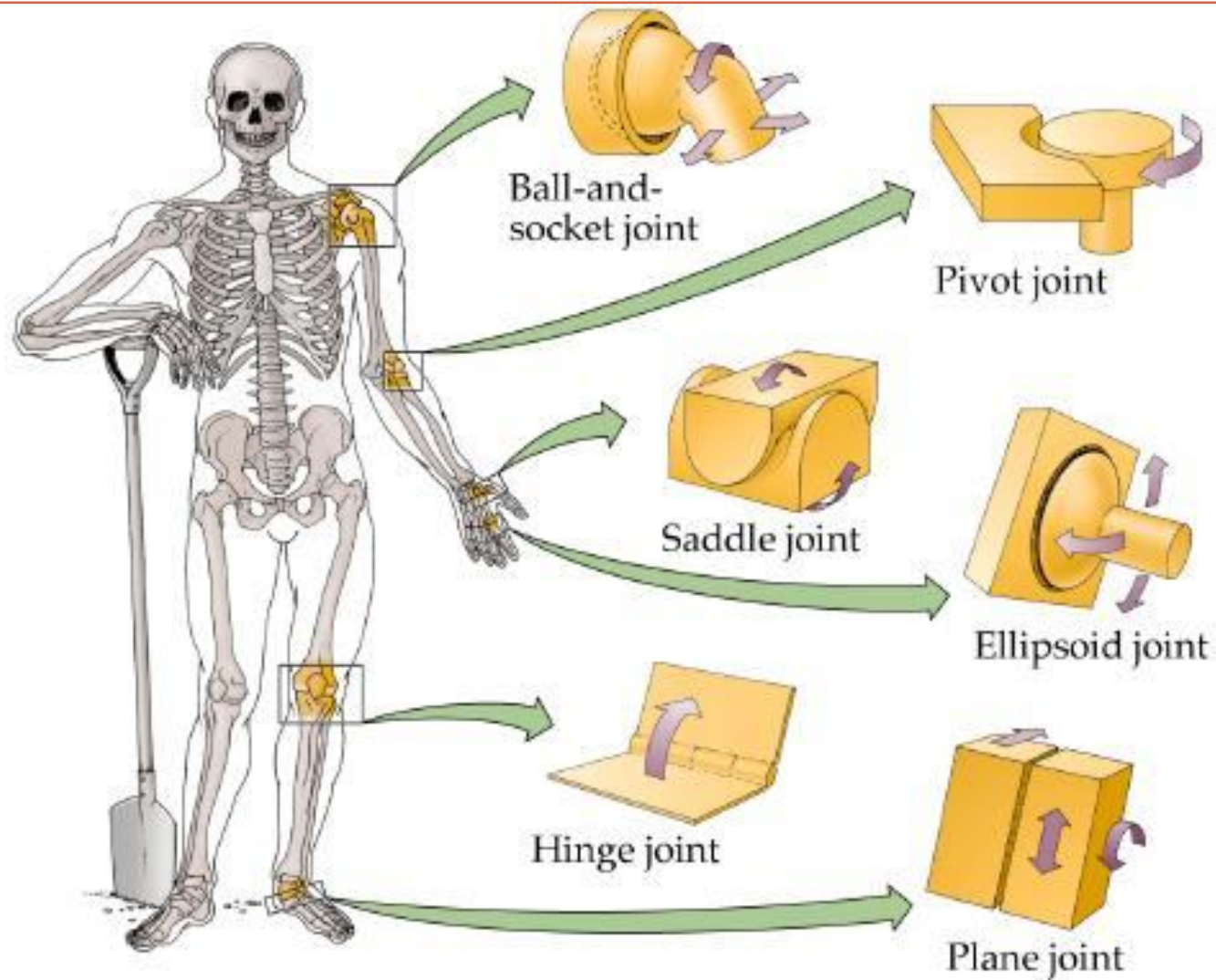
- Long bone
- 1. Articular cartilage (hyaline)
- 2. Articular cavity
- 3. Articular capsule
- 4. Synovial membrane
- 5. Synovial fluid
- 6. Ligaments



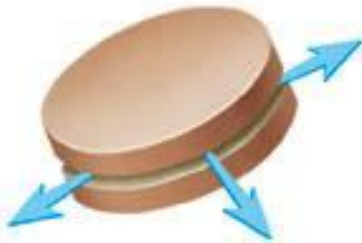
Synovial j. Categorization by articular facet



1. Plane joint (inter carpal & inter tarsal J)
2. Elipsoid joint (radicarpal & metacarpophalangeal J)
3. Saddle joint (sternoclavicular & first carpometacarpal J)
4. Hinge joint (elbow & knee J)
5. Pivot joint (C1-C2 & sup. Radioulnar)
6. Ball & socket joint (hip & shoulder J)



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Plane Joint



Saddle Joint



Hinge Joint



Pivot Joint



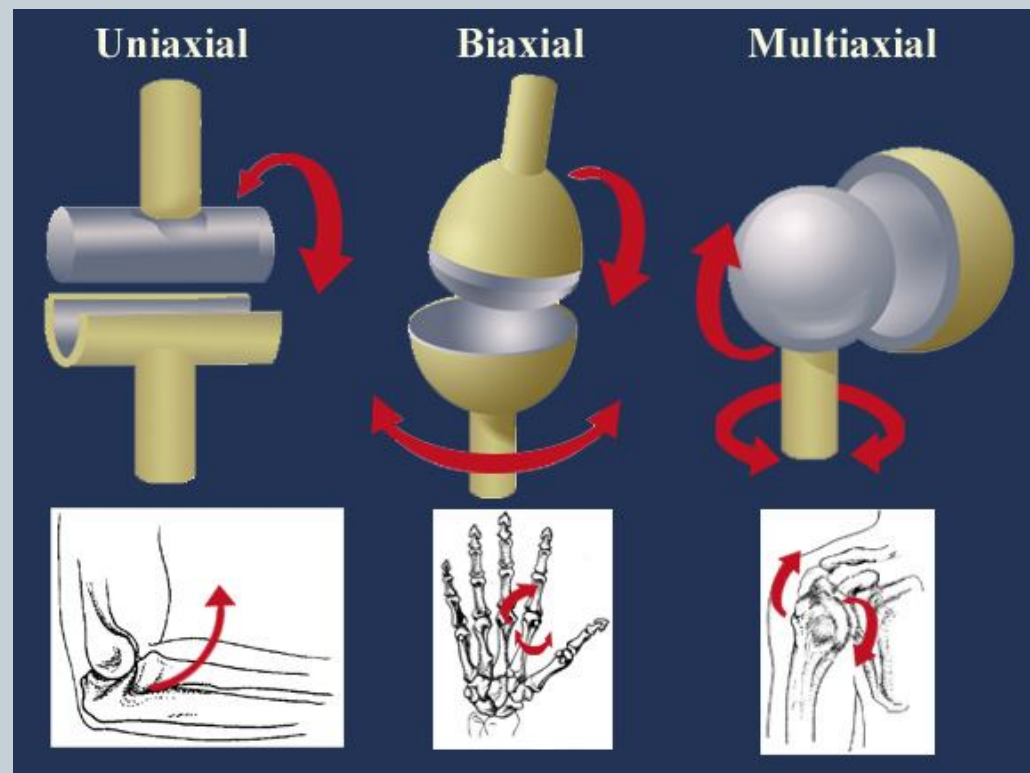
Ball-and-Socket Joint



Ellipsoid Joint

Categorization by Axis

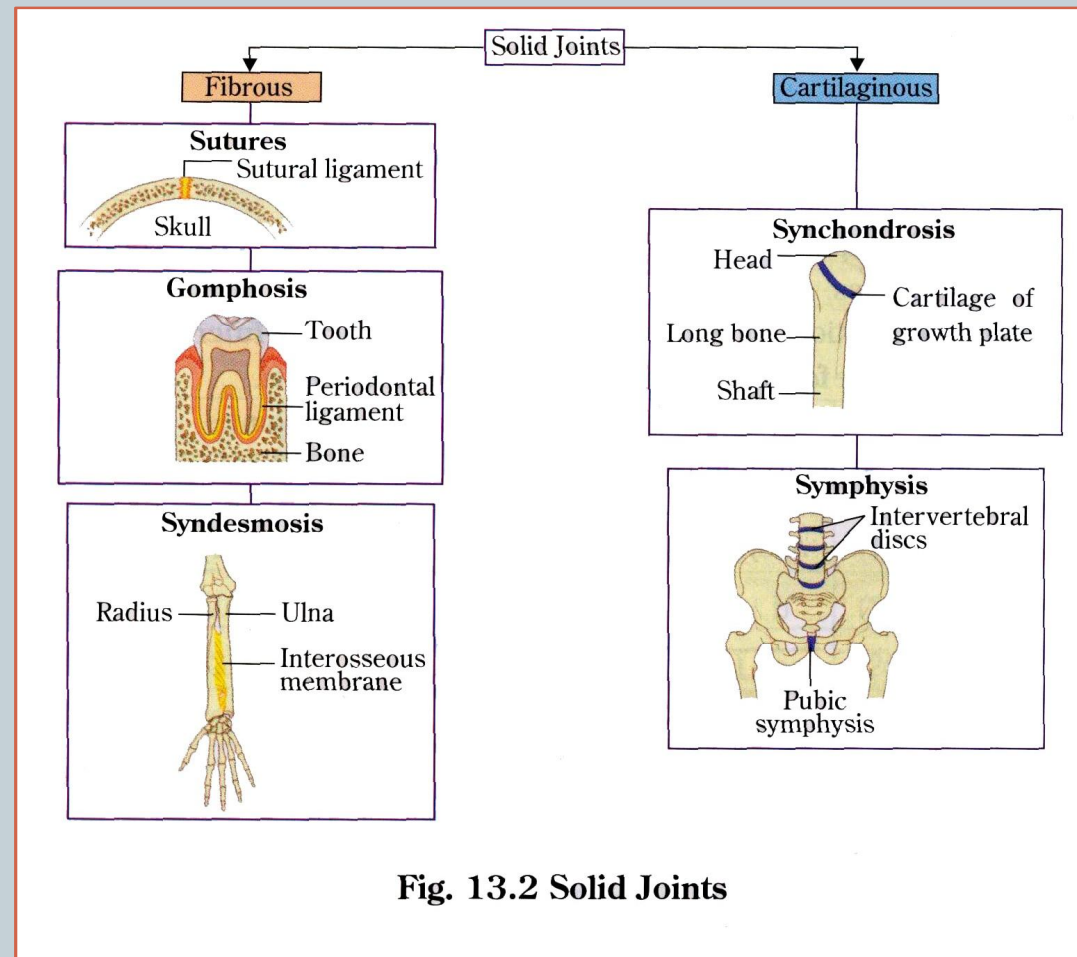
1. Uniaxis (hinge j.)
2. Biaxis (wrist j.)
3. Multiaxis (ball & socket j.)



Solid & semisolid joints

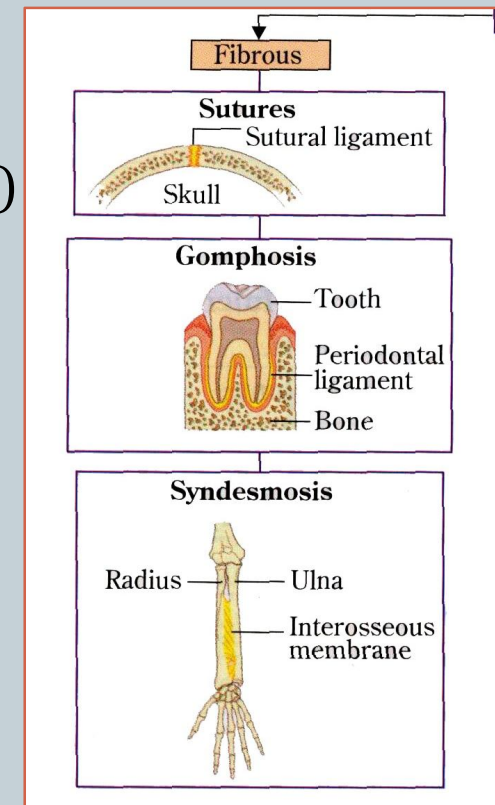
By linking tissue

1. Fibrous joints
2. Cartilaginous joints



Fibrous joints

1. Syndesmosis (radius & ulnar body)
2. Cord like (inferior tibiofibular)
3. Gomphosis (root cement & periodontal to alveole)
4. Sutures (between cranial bone)



Cartilaginous joints

1. Primary (hyaline cartilage) costochondral
2. Secondary or symphysis (fibrous cartilage) intervertebral disc

