Joints

- **Fibrous**
  - connected by
    - dense connective tissue
    - consisting mainly of collagen.
  - types
    - Sutures
      - between bones of the skull
    - Syndesmosis
      - between long bones of the body
      - moveable
    - Gomphosis
      - root of a tooth
- **Synovial**
  - most common
  - most moveable
  - Distinguishing Features
    - capsule
    - synovial fluid
  - Types
    - Gliding
      - Sternoclavicular
      - Acromioclavicular
    - Hinge
      - Elbow, knee, ankle
    - Pivot
      - Atlantoaxial
      - S. Radioulnar
    - Condyloid
      - wrist
      - Metacarpophalangeal
      - Knuckle
    - Saddle
      - Carpometacarpal joint of thumb
    - Ball and socket
      - Sholder, Hiop
  - Stabilizing
    - Articular Surfaces
    - Ligaments
    - Muscle Tone
- **Cartilaginous**
  - connected entirely by cartilage
    - fibrocartilage
    - hyaline
  - allow more movement between bones than a fibrous joint
  - joint between the manubrium and the sternum
  - forms the growth regions
    - immature long bones
    - intervertebral discs
  - Primary
    - occurring between ossification centers
    - This cartilage may ossify with age.
    - joint between
      - first rib
      - manubrium
    - Epiphyseal plates
  - Secondary
    - Fibrocartilaginous joints
    - occurring in the midline.
    - intervertebral discs
    - pubic symphysis
    - bones covered with hyaline cartilage
- **Functional classification**
  - synarthrosis
    - little or no mobility
  - amphiarthrosis
    - slight mobility
  - diarthrosis
    - variety of movements
    - synovial joint