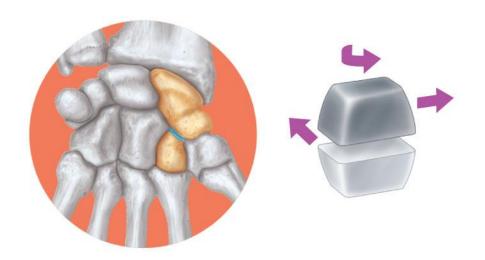
Synovial Joints

- Types of synovial joints based on shape:
 - Plane joint
 - Hinge joint
 - Pivot joint
 - Condylar joint
 - Saddle joint
 - Ball-and-socket joint

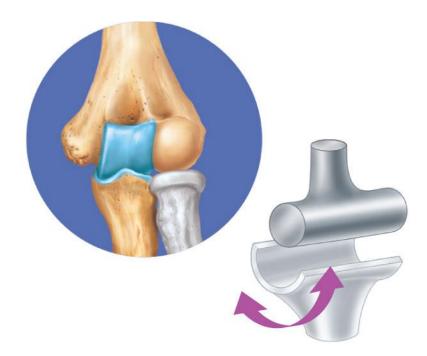
Plane Joint

- Articulating surfaces are essentially flat
- Only short, gliding movements allowed
- Example: Intercarpal joints



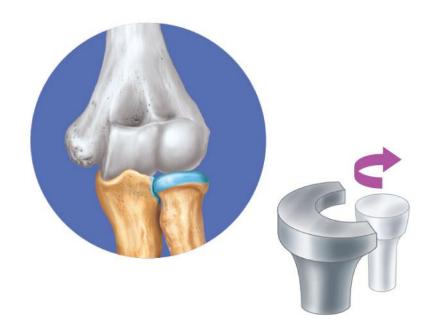
Hinge Joint

- Cylindrical end of one bone fits a trough-shaped surface of another bone
- Angular movement in one plane (like a door hinge)
- Example: Elbow joint



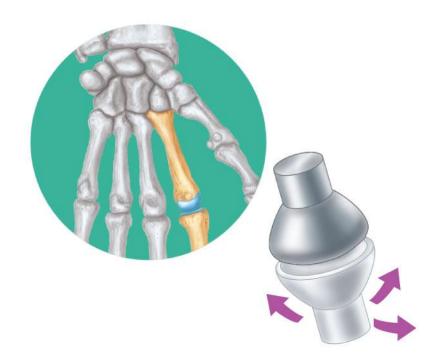
Pivot Joint

- Rounded end of one bone fits into a sleeve or ring of bone
- Rotating bone turns around its long axis
- Example: Proximal joint between radius and ulna



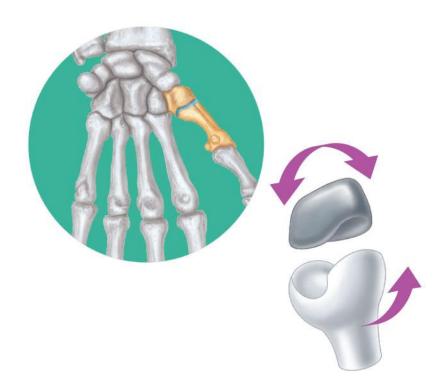
Condylar Joint

- Egg-shaped surface of one bone fits into oval concavity of another
- Bone moves from side to side, back and forth
- Example: Knuckles of phalanges



Saddle Joint

- Surface of each bone has both convex and concave surfaces (like saddle for a horse)
- Bone moves from side to side, back and forth
- Example: Thumb joint



Ball-and-Socket Joint

- Spherical end of one bone fits into round-socket in another
- Allow movement in all axes, including rotation
- Example: Shoulder, hip

