

Joint

classified based on

ال ٥ خلاصات اللاحقة في القسم النهائي لـ Joints

Kind of tissue surrounding the joints

the mobility (ability of movement)

Fibrous joints
(amphiarthrosis)

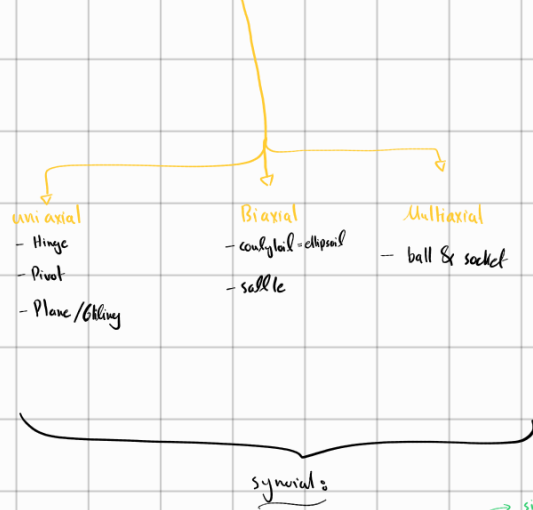
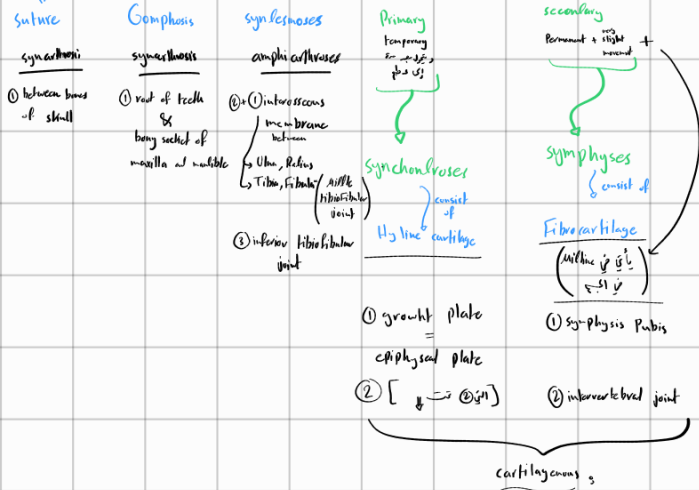
cartilaginous joints

synovial joints

synarthrosis

amphiarthrosis

diarthrosis

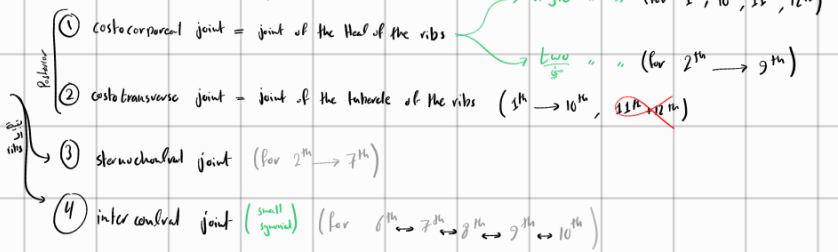


lateral + 1st [① costovertebral joint

medial + 1st, [② sternochondral synchondrosis of 1st rib

anterior [③ manubriosternal joint

④ xiphisternal joint



Type

Movements

Examples

Ball & socket



Flexion, extension
adduction, abduction
medial Rotation, Lateral Rotation
Circumduction

• shoulder joint + hip joint

saddle



Flexion, extension
adduction, abduction

• Carpometacarpal joint of thumb (CMC1)

some Circumduction + opposition

Thumb's rotation in circle

condyloid
ellipsoid



Flexion, extension
adduction, abduction

• atlanto-occipital joint → Flexion & Extension (nodding of the head)
Yes - No Movement

some Circumduction (limited)

• wrist joint

• Metacarpophalangeal (MCP)

Hinge



Flexion, extension

• elbow / • (tibiofemoral joint) / • Ankle joint

• proximal & distal & thumb interphalangeal joints (IP)

elevation, depression
protraction, retraction
rotation like chewing

• temporomandibular joint

dorsiflexion +
Plantarflexion

Pivot



Supination, Pronation

left and right rotation for our head

• Proximal & distal Radioulnar joint

• atlanto-axial joint

Flexion, extension
Medial = internal rotation,
Lateral = external rotation

Plane



• Facet joints (in vertebrae)
superior & inferior articular facets

• sternoclavicular joint → double plane

• acromioclavicular joint

• Midcarpal joints

• CMC 2, 3, 4, 5

• sacroiliac joint

• superior tibiofibular joint

syn-physis
لا تملك في المفاصل
لا تملك في المفاصل
لا تملك في المفاصل

(• Patello femoral joint)

Fibrous
(synsidesmoses)

• inferior tibiofibular joint

• Middle tibiofibular joint = interosseous membrane between Fibula, Tibia

Signature

