# Cheatography

## joints Cheat Sheet by gracev (gracev21) via cheatography.com/168753/cs/35480/

articulations	
articu- lations	point of contact between bones
structure	determines the type of movement
needed for:	
strength	lock elements together
movement	permits range of movement
factors that contribute to range of motion	

(ROM)	
structure or shape	
strength and tension	
hormones (relaxin)	
disuse	
shoulder joint (glenohumoral)	

ball and socket

powerful muscles from the rotator cuff greatest ROM in body

elbow joint		
radius and humerus	radio humeral joir	
ulna and humerus	ulnohumeral joint	
responsible for flexion and extension		
stable because of interlock, joint capsule,		
ligaments		

hinge

#### hip joint (acetabulofemoral joint)

femur and acetabulum

consist of cartilage, fat pad, synovial membrane

ball-and-socket

#### classifying joints

#### structural

- a. fibrous joints
- b. cartilaginous joints
- c. synovial joints

#### functional

a. immoveable



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### classifying joints (cont)

b. slightly moveable

c. freely moveable

### joint movements

gliding movements	opposion surfaces slide back and forth and side to side
flexion	decrease in angle
extension	increase in angle
hyperexte- nsion	extension past anatomical position
abduction	away from midline
adduction	toward midline
circum- duction	movement of part in a circle
rotation	bone revoles around its own longitudinal axis
inversion	move foot medially
eversion	move foot laterally
pronation	palm down
supination	palm up
opposition	thumb across palm to touch finger tips
dorsil- flexion	foot upward
plantar flexion	foot downward
elevation	upward movement
depression	downward movement
protraction	anterior movement
retraction	protraction return to normal

immoveable joints	
suture	fibrous
synchondrosis	cartilaginous

slightly moveable joints		
syndesmosis	fibrous	
symphysis	cartilaginous	

## freely moveable joints articular cartilage between bones; surrounded by joint capsule; inner surface lined with synovial membrane that secrete synovial fluid arterial branches merge around a joint nerve endings respond to movement knee joint (tibiofemoral joint) responsible for felxion, extension, and rotation femur/tibia and patella/femur supporting menisci, fat pads, bursae, structures ligaments

aging	
osteroart-	thinning cartilage and
hritis	lowering synovial fluid from
	wear and tear
rheumatoid	inflammation, autoimmune
arthritis	

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