

## **Anatomy Cheat Sheet**

by rubydefensor via cheatography.com/195723/cs/41049/

Anatomical Planes		
Planes	Movement Exercise	
Sagittal	up/down, forward/backward ME	
Lateral	side to side ME	
Transverse	Rotation ME, push up, bench press, flys	

Directional Terms		
Term	Meaning	Example usage
Medial	toward the median	heart is medial to lungg
lateral	away from the median	eyes are lateral to the nose
Anterior	In front of or front	sternum anterior to the heart
Posterior	In behind of or behind	lung is posterior to the heart
Prone	lying facing down	chest on the floor
supine	lying facing up	back on the floor
superior	above	head is superior to body
inferior	below	hips inferior to the shoulder

Planes & Movement Terms			
Term	Meaning	Example Exercise/Movement	
Flexion	decreasing joint angle	biceps curl	
Extension	straighten a joint	elbow straighten	

Planes & Movement Terms (cont)		
Abduction	away from the body	lateral raise
Adduction	towards the body	lateral raise
Elevation	raises vertically in frontal plane	shoulder shrug
Depression	lowering in same plane	shoulder shrug
Protraction	anterior move. in the transverse plane	chest contraction
Retraction	posterior move. in transverse plane	chest retraction
Circum- duction	one part is stationary other makes circular motion	arm circling
Rotation	bones spins in longitudinal axis	hip rotati- on/foreha- nd-bac- khand stroke
Supination	forearm movement- palm is up	arm supine
Pronation	palm facing down	arm prone

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- -The most familiar type of joint.
- -Most structurally complex type of joint. Most likely to develop uncomfortable and crippling dysfunctions.

Classificati	ions of Synovial	
Classi- fication	Meaning	Example
Ball and Socket	multi axial joint	shoulder, hip
Condylar (ellip- soid)	biaxial joint	wrist and bases of fingers
Saddle Joint	saddle shaped- concave in 1 direction-bi- axial	thumb and sternocla- vicular joint (clavicle)
Plane (Gliding)	bone surfaces are flat- adjacent bones slide each other-biaxial	carpal, tarsal, vertebrae
Hinge	monoaxial-like door hinge	elbow, knee, fingers, toes
Pivot	monoaxial which joint spins on longit- udinal axis	atlantoaxial of first 2 vertebrae, radioulnar at the elbow

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Not published yet. Last updated 26th October, 2023. Page 1 of 1. Sponsored by **Readable.com**Measure your website readability!
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