

# The Skeletal System

Them bones, them bones, them dry bones

(pages 526-529)

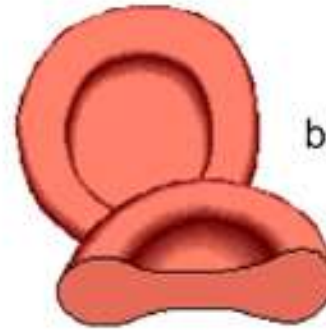
[Schoolhouse Rock](#)



# What are your bones for? What do they do?



protection



blood cell formation



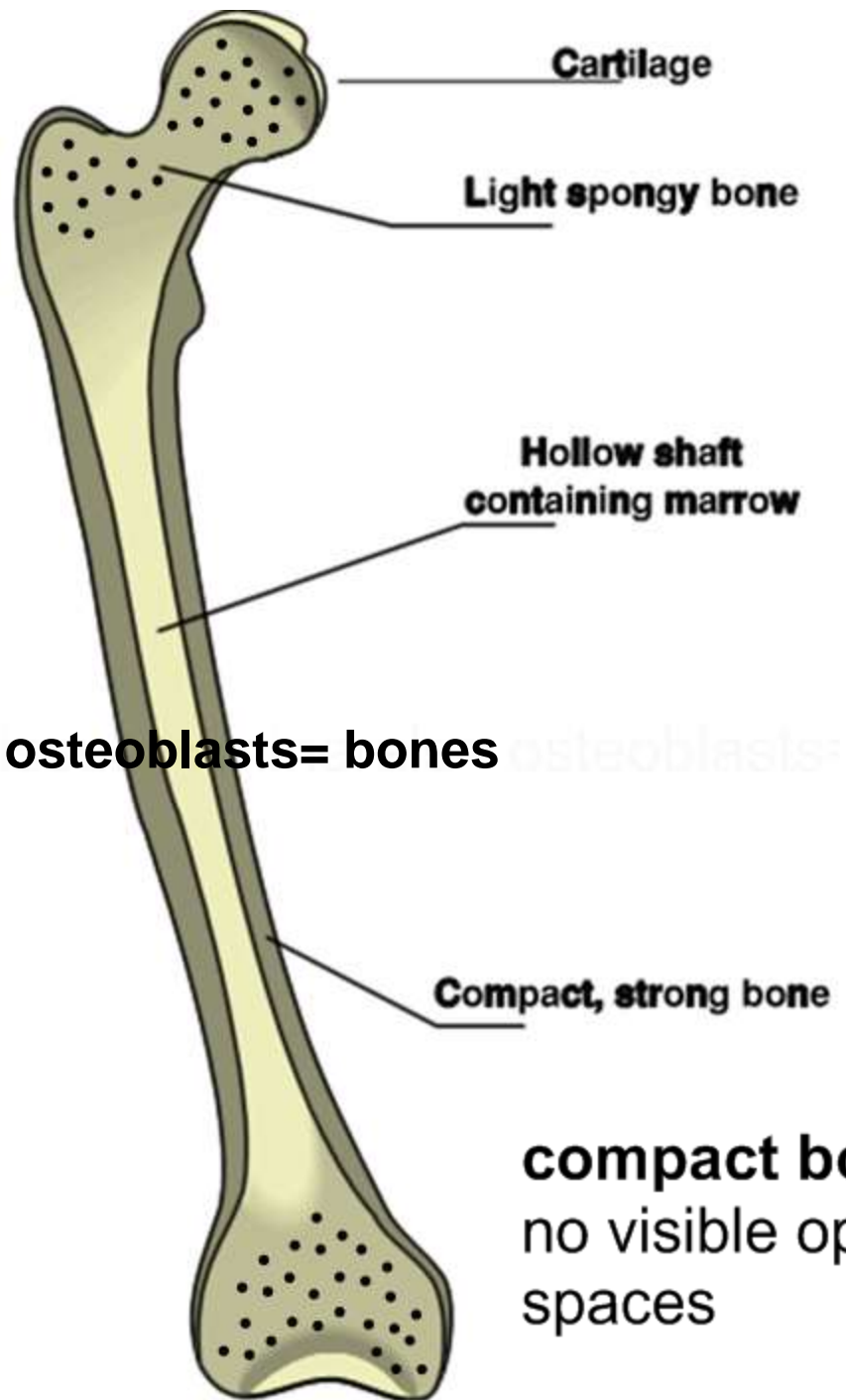
movement

storage



You have 206 bones in your body!

# Inside your bones...

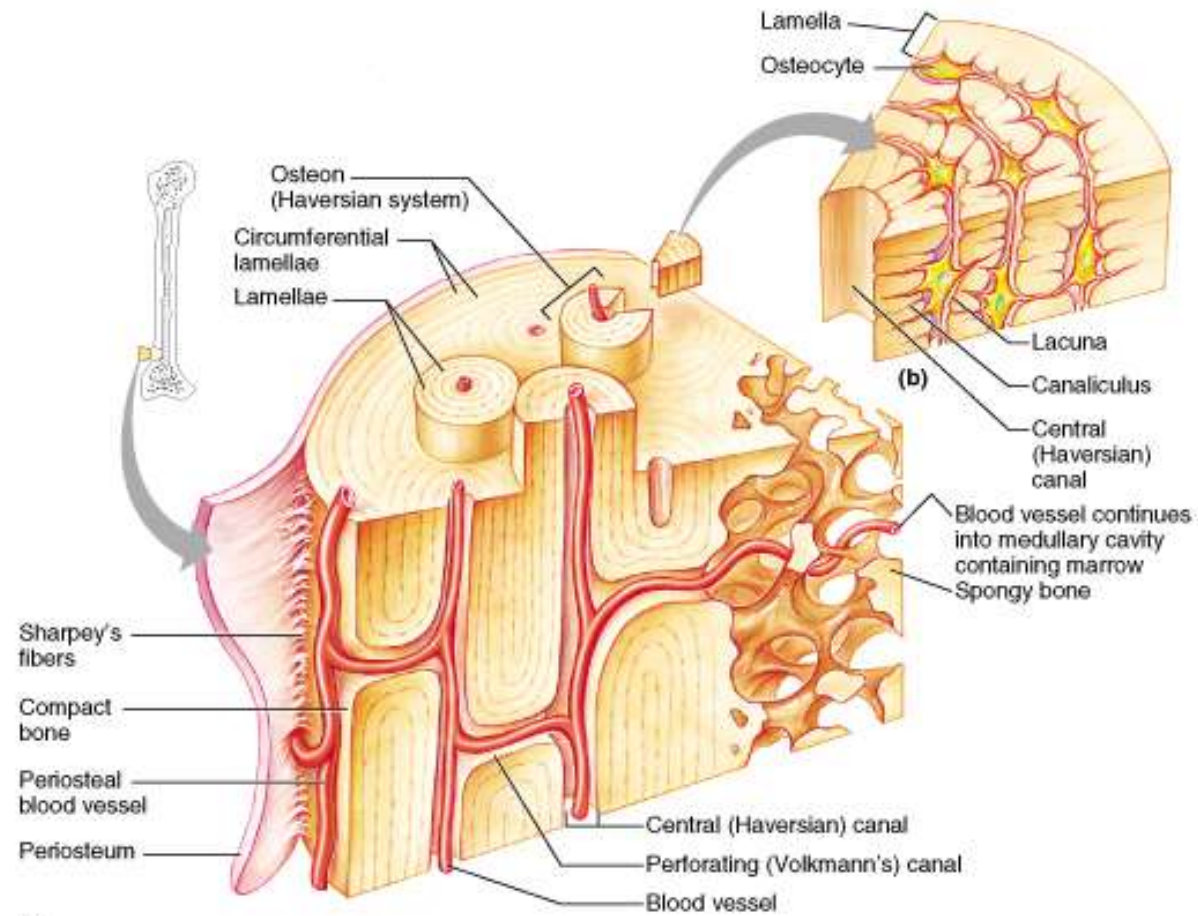


connective tissue + minerals = osteoblasts = bones

**spongy bone-**  
most of the  
strength and  
support

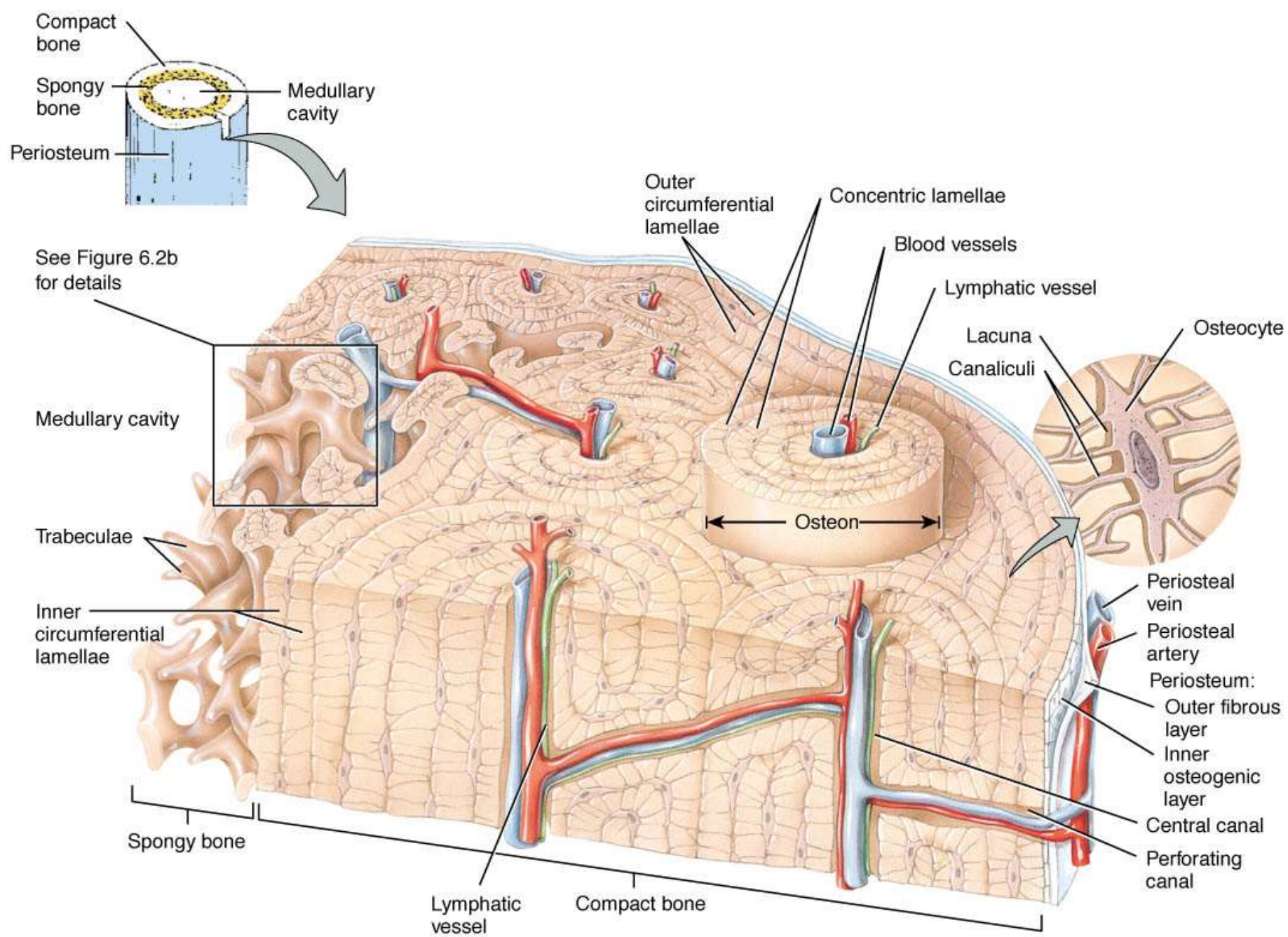
**compact bone-**  
no visible open  
spaces

# Inside Your Bones



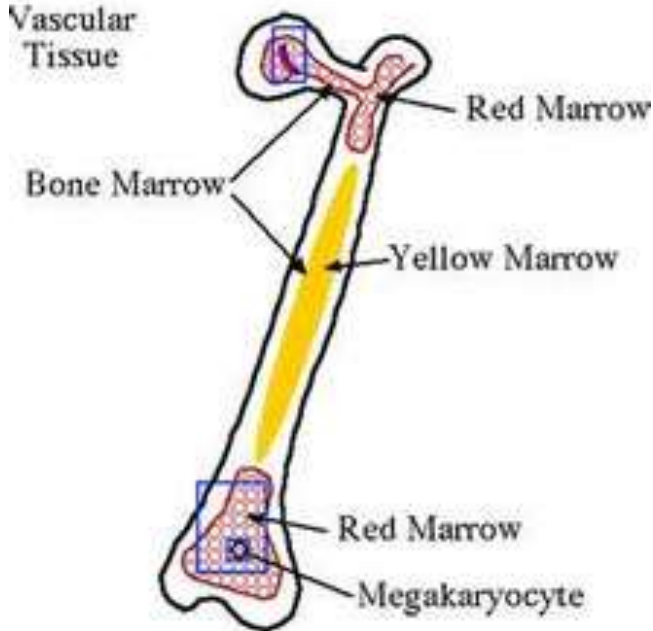
(a)

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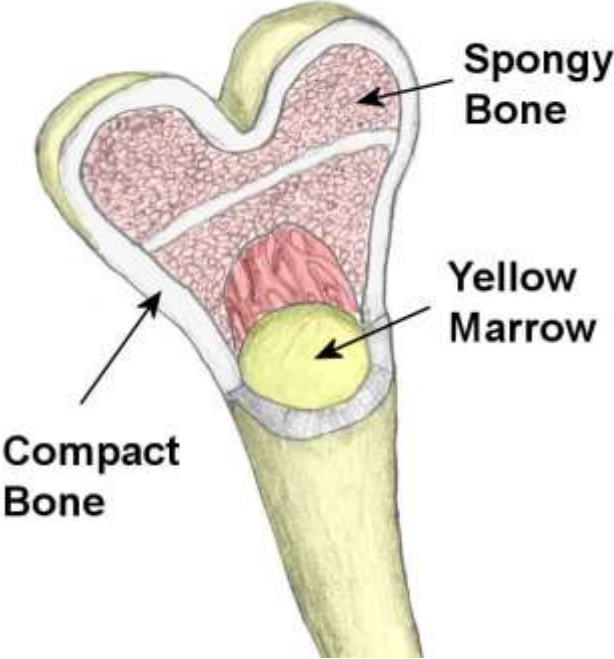
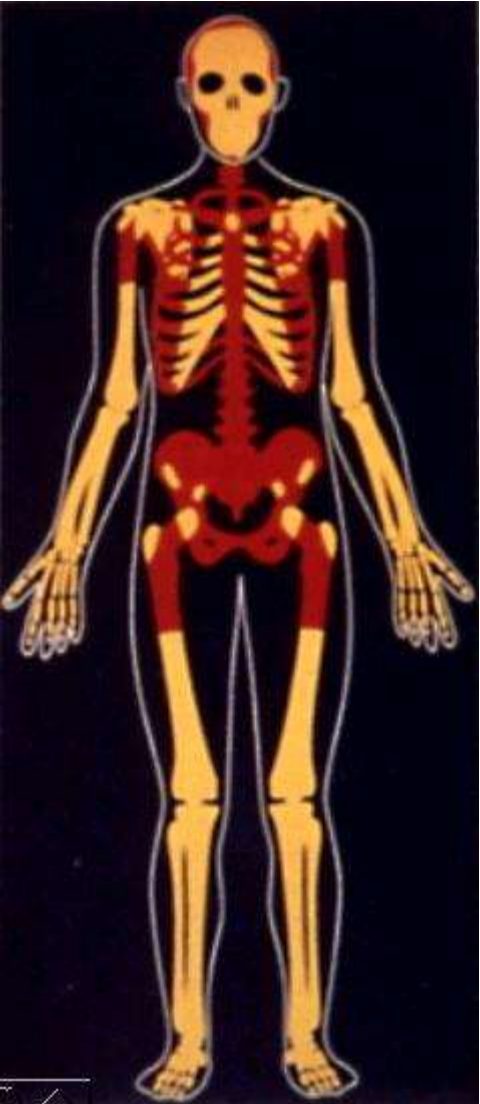


(a) Osteons (haversian systems) in compact bone and trabeculae in spongy bone

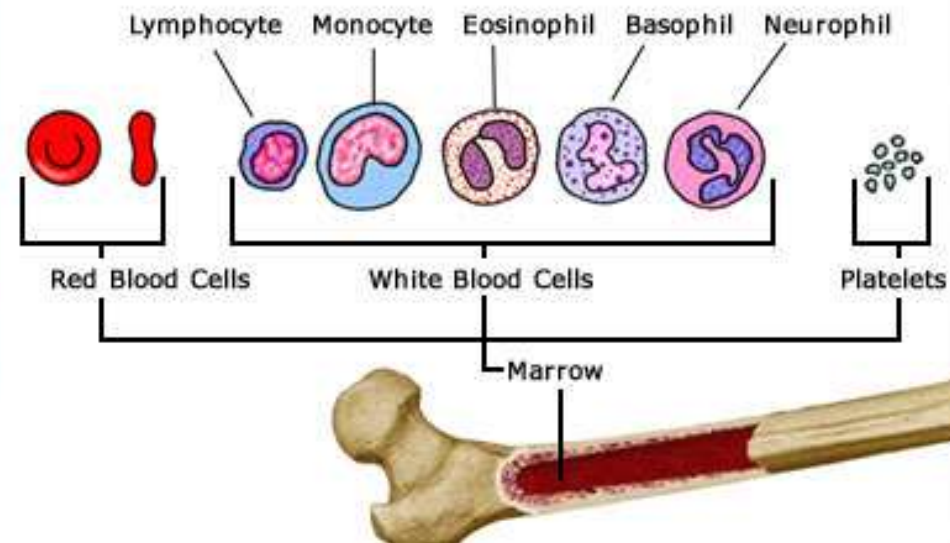
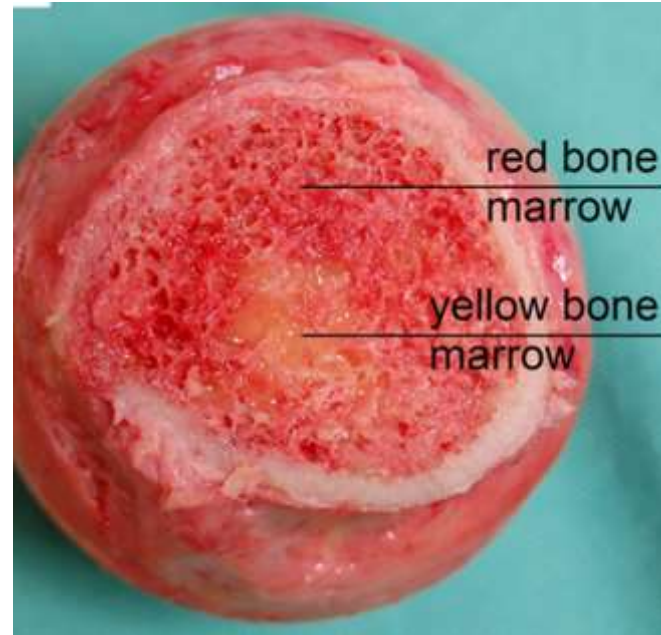
# Bone Marrow



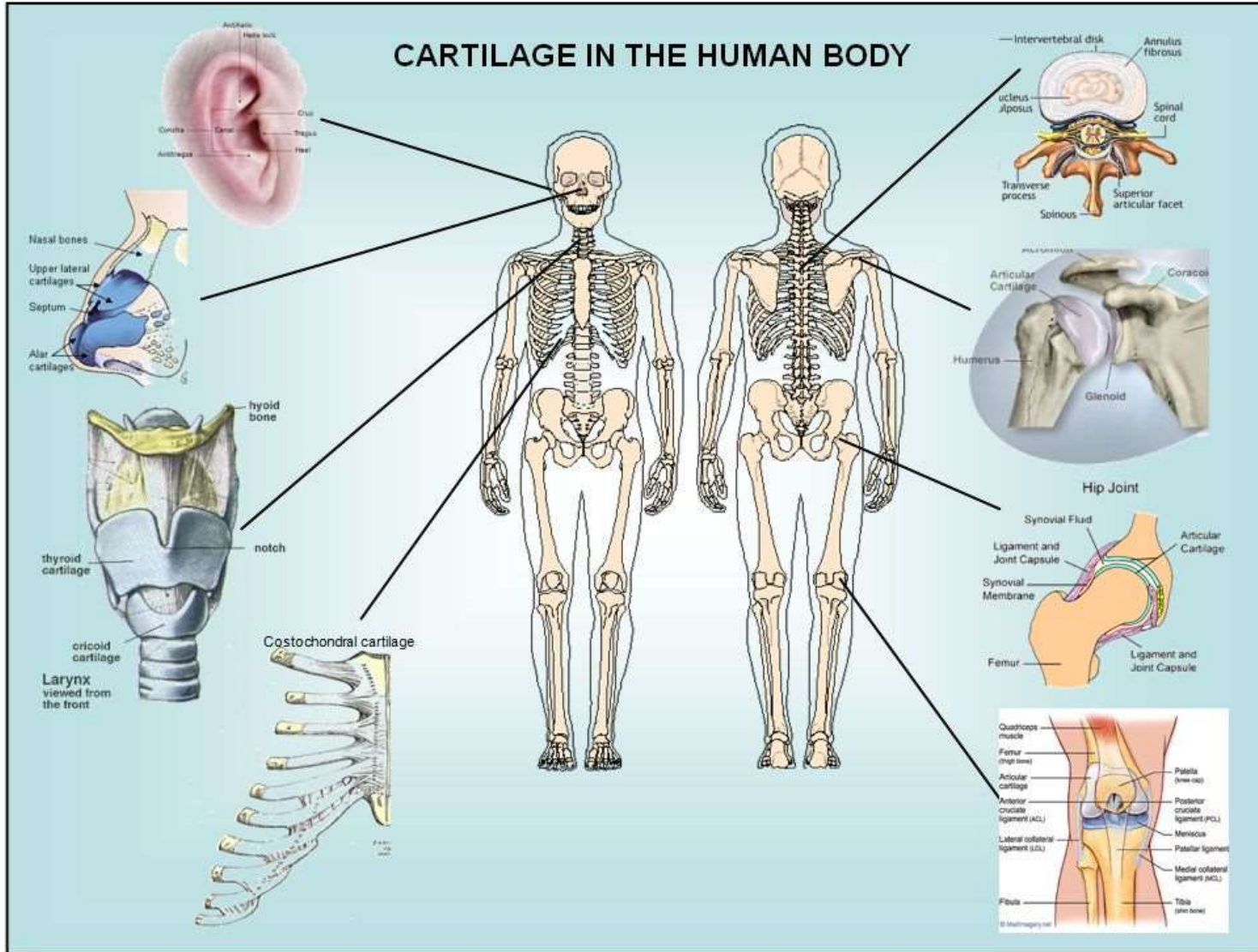
**Red**  
makes red blood cells



**Yellow**  
stores fat



## CARTILAGE IN THE HUMAN BODY



Other good stuff...

- cartilage
- joints
- ligaments
- tendons

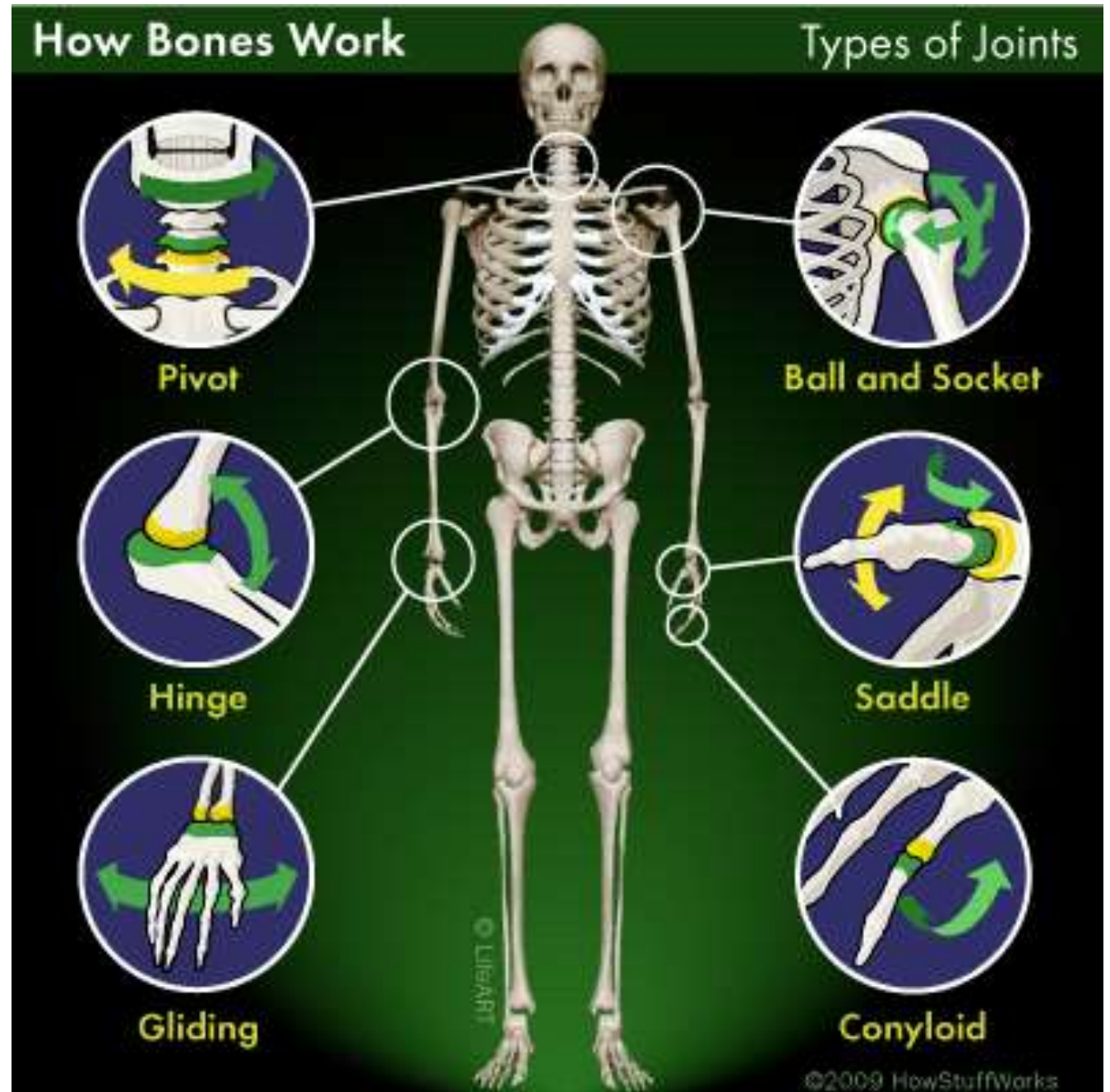


Other good stuff...

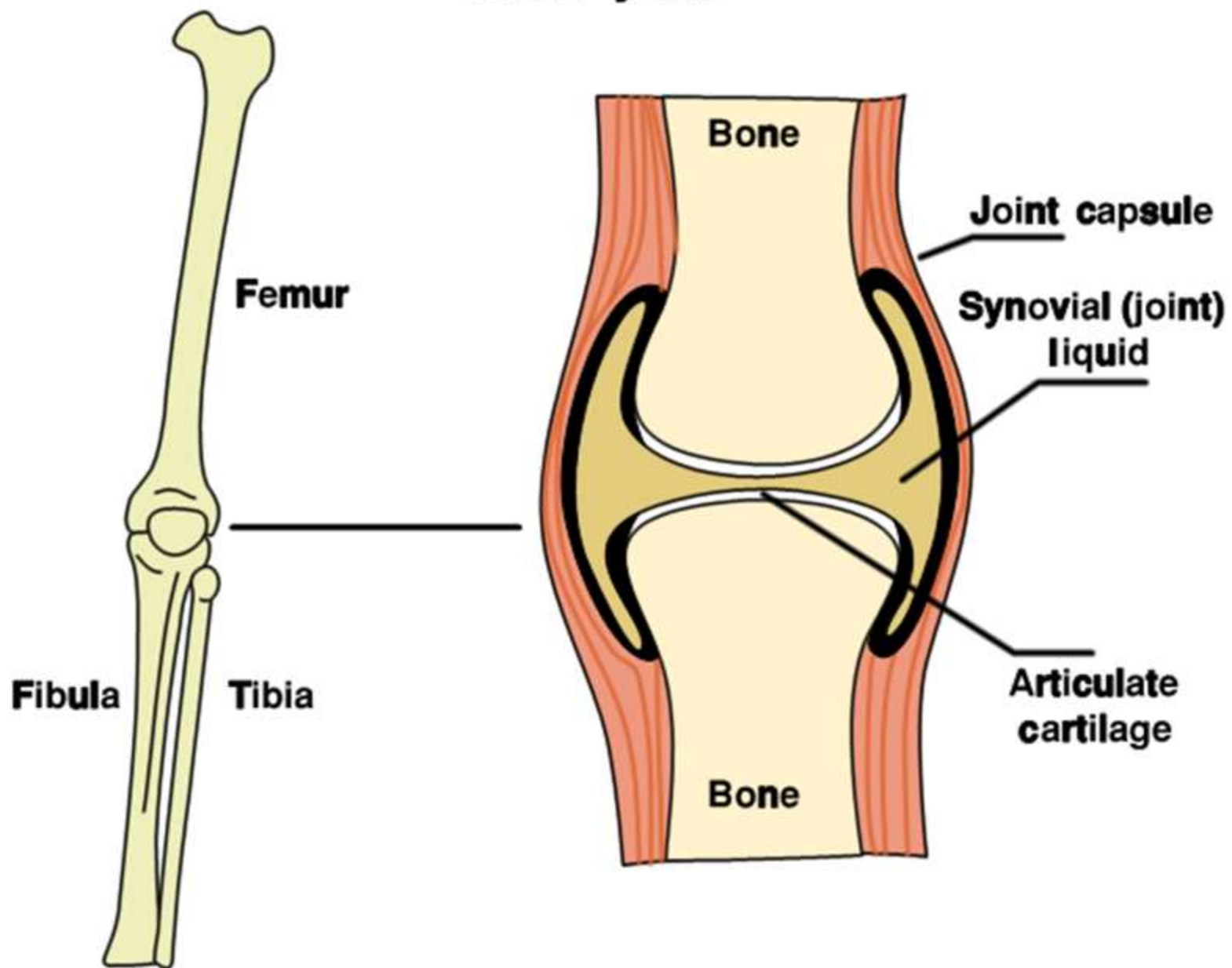
- cartilage
- joints
- ligaments
- tendons

### Types of Joints

- sliding
- ball and socket
- hinge
- fixed

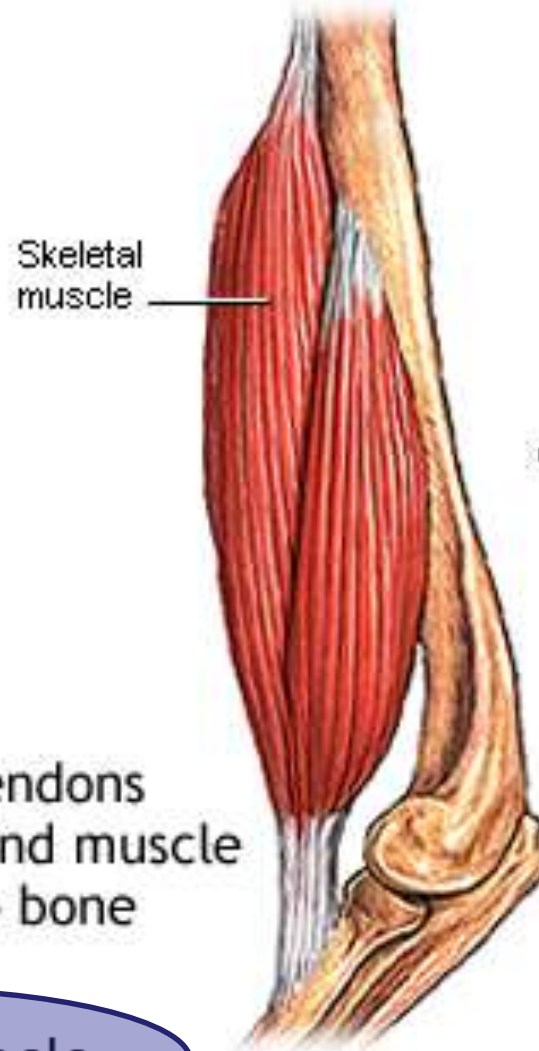


# Knee joint

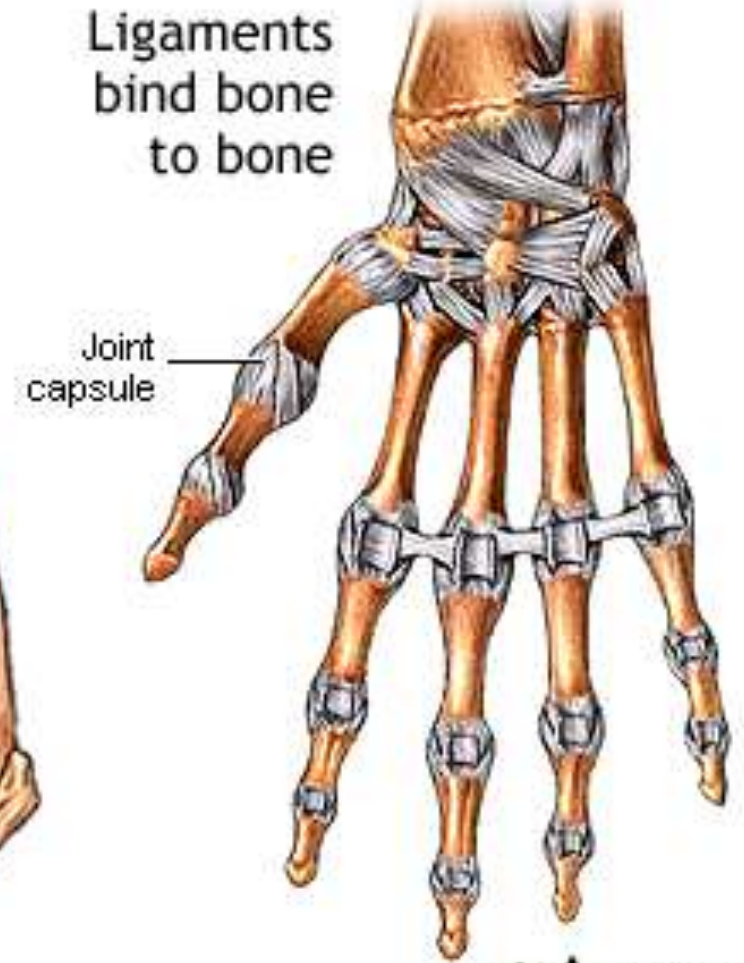


## Other good stuff...

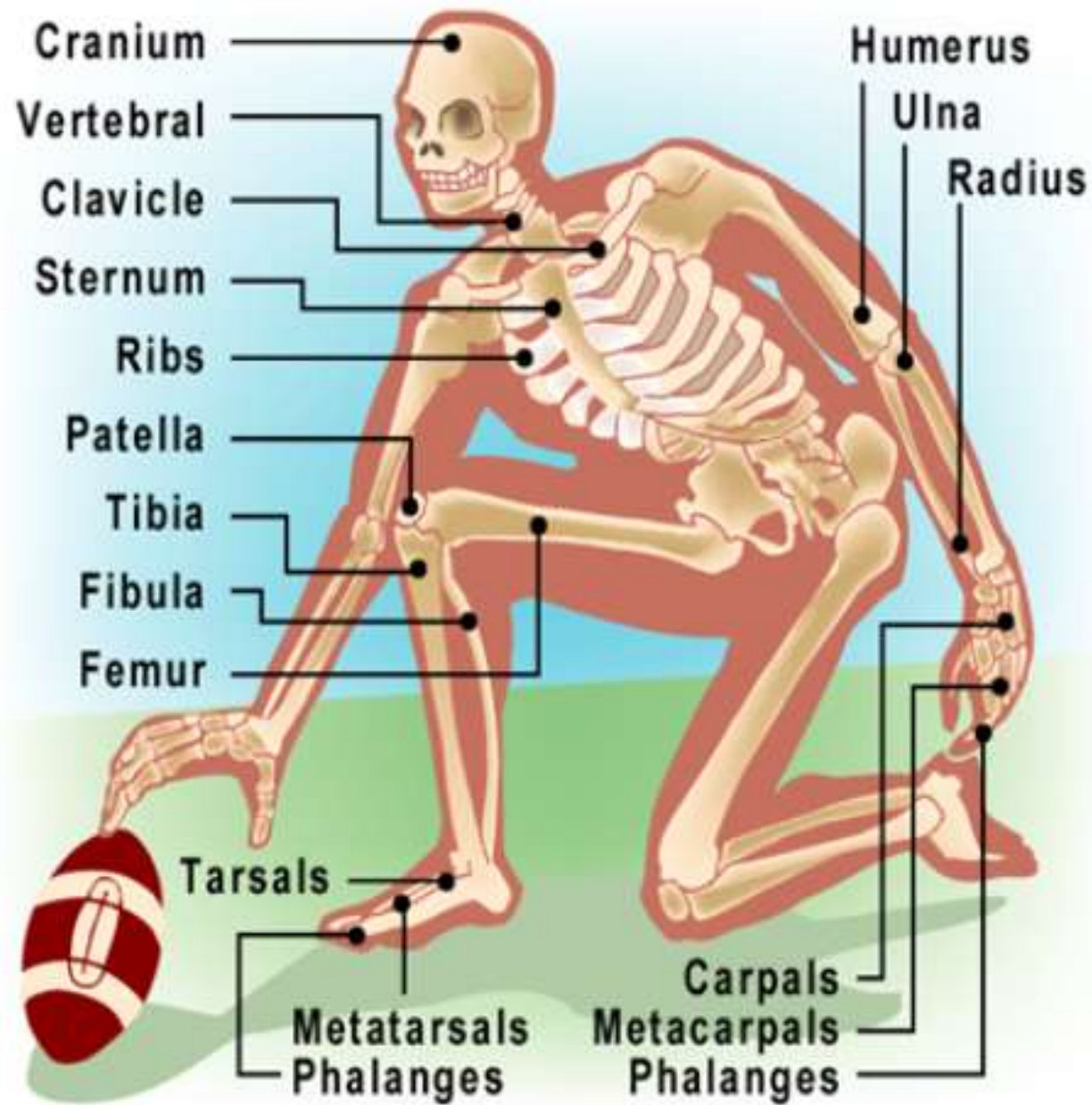
- cartilage
- joints
- ligaments
- tendons



bone to bone



bone to muscle



Body System	Job	Organs
Skeletal System		

## Your turn...

Color and cut out a femur, tibia, fibula, and foot. Then glue them on your body cutout.

Please label the following bones on your body cutouts:

- femur
- tibia
- fibula
- phalanges (on feet)

