

# 7<sup>th</sup> Grade Life Science Class Lecture Notes

Joshua Anderson 3/30/11

Chapter 13 notes: Part II  
Bone Connections; Joints

- Immovable Joints; sutures ie skull
- Movable Joints:
  - Ligaments- hold bones together
  - Cartilage - keeps bones in a joints from rubbing
  - Tendon - attach muscle to bone
- compact, spongy, marrow, a living system ¿π?

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Lily Hoffman 3/30/11  
Per 1  
SCIENCE

## Bones and Muscles

Bone connections; joints  
Immovable joints; structures ie skull  
Moveable joints; knees, shoulders, wrists etc.  
Ligaments; Hold bones together  
Cartilage; Keeps bones in a joint from rubbing  
Tendon; attaches muscle to bone  
Compact, Spongy, Marrow; A living system  
Hinge; wrist, looks like a hinge, up and down movement  
Ball-and-socket; shoulder, spherical movement  
Sliding; allows bone to slide over another, wrist and ankle side to side motion  
Pivot Joint; one bone to rotate around another, your neck allows you to turn your head from side to side

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Rena Carr 3-15-11 per.6

Life Science notes: Ch.12: Vertebrates

CHORDATE CHARACTERISTICS...  
-Notochord at some stage of life cycle...  
-Nerve chord running down the back...  
-Gill slits at some stage.