

7th Grade Life Science Class Lecture Notes

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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 ζπ?

Sent from my iPad

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

all living things are composed of cells. Key

LS.2 The student will investigate and understand that

concepts include

le, mitochondrion,

a) cell structure and organelles (cell membrane, cell wall, cytoplasm, vacuole, endoplasmic reticulum, nucleus, and chloroplast);

b) similarities and differences between plant and animal cells;

c) development of cell theory; and

d) cell division (mitosis and meiosis).

LS.3 The student will investigate and understand that living things show patterns of cellular

organization.

Key concepts include

organs, and systems; and

functions of cells, tissues, organs, and systems (respiration, removal of

wastes, and cellular transport).

a) cells, tissues, organs,

b) life functions and processes (wastes, growth, reproduction, digestion).