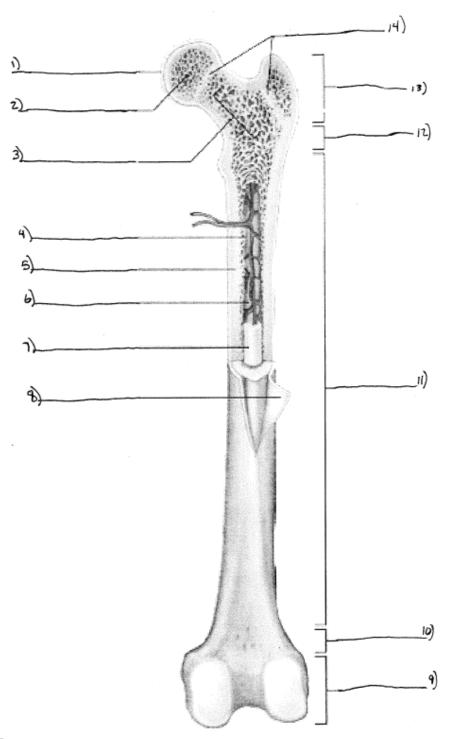
READING NOTES CHAPTERS 7 & 8: SKELETAL SYSTEM & JOINTS

	Name	
	Period	_ Due date
Skeletal system introduction (p. 202)		
Bones are not only living tissues, they are multifunctiona skeletal system protects our inner organs and provides su softer tissues, provide points of for producing cells, and store salts.	pport, but it a	lso and
Bones are classified according to their For description along with at least two examples:	each bone typ	be, include a brief
Long:		
Short:		
Sesamoid (a special type of short bone):		
Flat:		
Irregular:		
Bone structure (pages 203 – 204)		
The wall of the diaphysis is mainly composed of tightly places. This type has a continuous matrix with no gaps. This largely composed of bone. This type concalled This allows for the bone to have it between plates to reduce the bone's	the epiphysis, nsists of brand	on the other hand, ching bony plates
Compact bone is composed of cells calledEach osteon is composed layers called lamella and conta lacunae, Haversian canals, canaliculi. We will be draw with listing their functions in the space below:	ins the follow	ing parts: ing the parts, along



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Types of bone growth (pages 205 – 207)
Bones form when bone tissue, including a bony matrix mostly of phosphate, replaces existing tissue in one of two ways. For each of the ways listed below, provide a <u>brief</u> description of how each is achieved and examples of bones that grow from this type of ossification:
Intramembranous:
Endochondral:
Bone fractures (inset pages 212 – 213)
Bone breaks are classified into several categories. They are first determined to be complete or incomplete . Then they are determined to be either displaced (meaning they will need to be realigned or "set") or nondisplaced (which means the pieces are not out of alignment and need to be stabilized where they are). Lastly, bone breaks are classified according to the angle of which or type of fracture that has occurred. For each bone break listed below, provide a quick sketch as well as a description for your reference:
Incomplete greenstick:
Linear (or fissured):
Comminuted:
Transverse:
Oblique:
Spiral:

Bone breaks also can be tell us information about other things that may be going on in the body. **Potts fractures** are more commonly found in athletes due to extreme physical activity, while **Colles fractures** may be an indication that osteoporosis is taking hold. One cannot determine this type of fracture until the full case study has been disclosed – the circumstances behind the fracture must be known before such a determination can be made.

Joints introduction	n (page 270)
and	, are junctions between bones. They vary considerably in, which explains why there are two different ways to the classification types below, provide a description of the joint as that type:
Structural (Fibr	(pages 270 – 274) ous
	Syndesmosis:
	Suture:
	Gomphosis:
Cart	ilaginous
	Synchondrosis:
	Symphysis:
Sync	ovial
	Monaxial (condylar, plane, hinge, pivot):
	Biaxial (saddle):
	Multiaxial (ball-and-socket):
Functional Syna	(page 270) arthrosis:
Amp	phiarthrosis:
Diar	throsis: