**Bone Anatomy Practice KEY**

* **Label the following diagram:**

[](http://www.google.ca/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCMDCn9ja-cgCFcWXiAodIgEJ9Q&url=http://www.cameron.edu/~rong/AnatomyLecture.html&psig=AFQjCNGeNoDQj_JPNq1P0c37gGKooPne9g&ust=1446827510096173)

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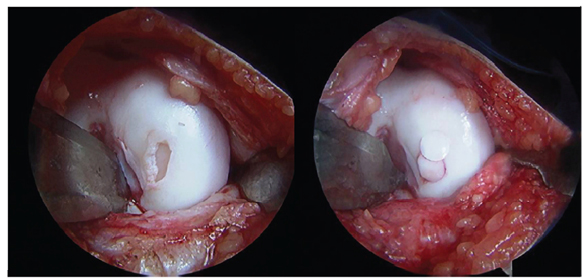
D

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1. **PROXIMAL EPIPHYSIS (Specify as proximal or distal)**
2. **DIAPHYSIS**
3. **DISTAL EPIPHYSIS (Specify as being proximal or distal**
4. **EPIPHYSEAL PLATE (Assume that growth is still occurring)**
5. **SPONGY (Cancellous) BONE (type of bone tissue found inside bone)**
6. **ARTICULAR CARTILAGE (Name given to connective tissue covering heads of   
   bone at joints) \*\* See picture below**
7. **ENDOSTEUM (Fibrous membrane lining bone cavity)**
8. **MEDULLARY CAVITY (name given to inner bone cavity)**
9. **COMPACT (Dense) BONE (Type of bone tissue that form solid outer casing of bone)**
10. **YELLOW BONE MARROW (Type of inactive connective tissue filling bone cavity)**
11. **PERIOSTEUM (Fibrous membrane covering around outside of the bone)**
12. **TRABECULAE (Needle-like threads of spongy bone)**

[](http://www.google.ca/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwi31_XElYjQAhXqy1QKHaneDEUQjRwIBw&url=http%3A%2F%2Fwww.mayoclinic.org%2Fmedical-professionals%2Fclinical-updates%2Forthopedic-surgery%2Finnovations-managing-articular-cartilage-defects-knee&psig=AFQjCNEwyeI8VdWKm5M27seg6-sgCQcibA&ust=1478110671870270)

**Compact Bone Anatomy: - Label the following:**

* ****

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* **A) OSTEON (Entire Structural Unit)**
* **B) HAVERSIAN (Central) CANAL**
* **C) LACUNA (Chamber that Holds Bone Cell)**
* **D) OSTEOCYTE (mature cell) (Proper name for bone cell)**
* **E) CANALICULI (Small channels that carry blood to bone cells)**
* **F) LAMELLA - Lamellae –plural (Concentric layers of calcified matrix)**