

Skeletal Questions

For each of the following questions, attempt to answer it from memory. Any questions or parts of a question that you complete from memory, mark with an asterisk (*). Answer the remainder of the questions from your notes.

1. List the 5 categories of bone and two examples of each.
2. Describe the difference between Spongy Bone and Compact Bone for the following characteristics: Location within the bone, physical structure, strength.
3. Sketch a long bone and label the following: epiphysis, diaphysis, epiphysial plate, medullary cavity. Identify the material that each of these are made of.
4. Explain the function of the epiphysial plate in a long bone.
5. Sketch a Haversian System. Label each of the following structures: Haversian Canal, Osteocyte, Blood Vessel, Nerve, matrix, lamella, canalicule.
6. Give the literal meaning of "intermembraneous" and "endochondrial". Explain which bones in the body are formed by each method.
7. Sketch or verbally describe each of the following fractures: Transverse, oblique, spiral, commuted, greenstick, stress.
8. Explain the meaning of "soft tissue damage" as it pertains to the severity of a fracture. Why is an oblique fracture more likely to cause it than a transverse fracture.
9. List the steps of fracture repair. Approximately how long is required for each step?