

SKELETAL SYSTEM

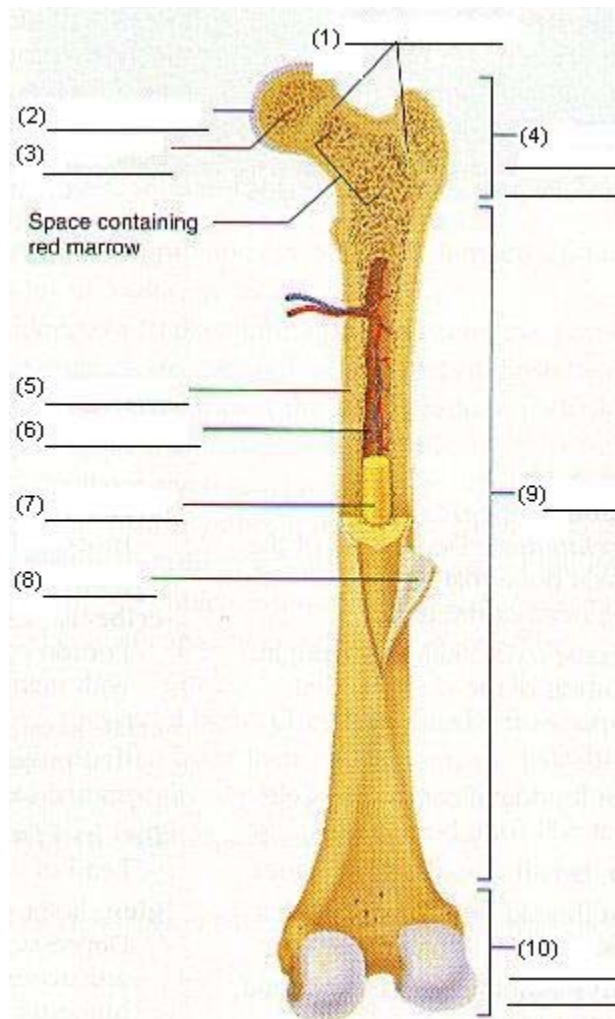
Learning Outcome

After completing this exercise, you should be able to:

1. Name four groups of bones based on their shapes and give example for each group.
2. Locate and name major structures of a long bone.
3. Distinguish between compact and spongy bone.
4. Discuss about bone remodeling.

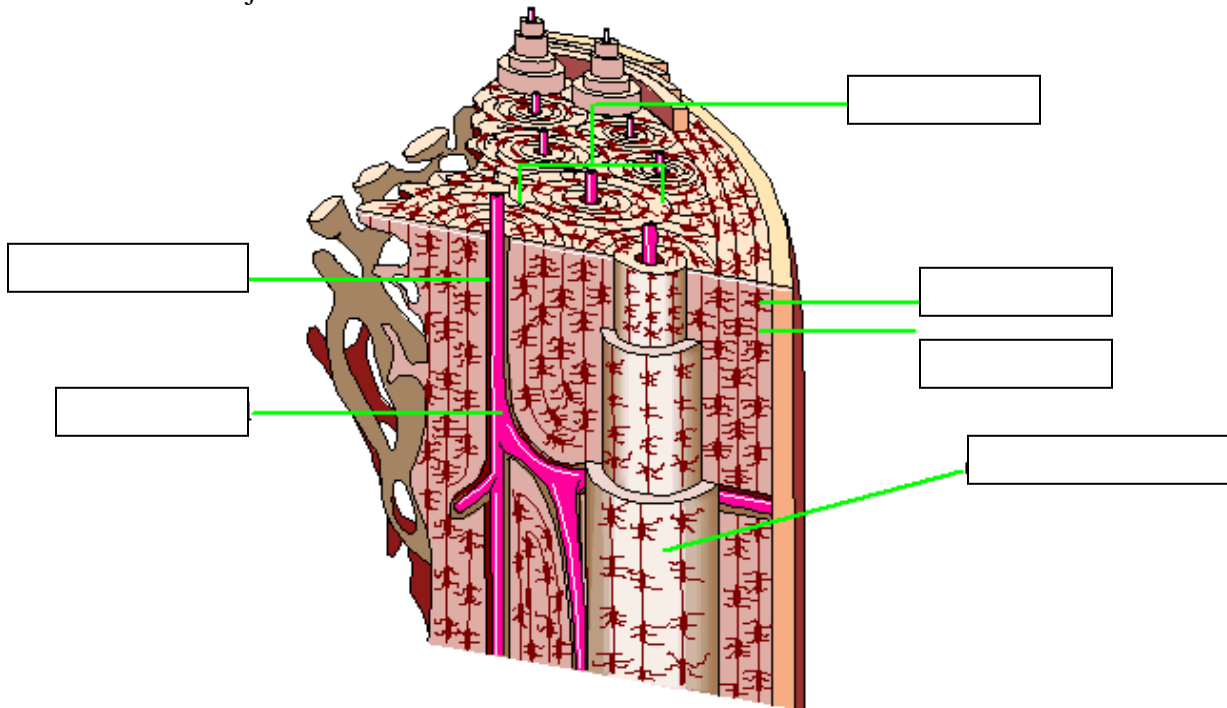
Part A

Label the major structure of this long bone (femur)



PART B

Label the major bone structure



PART C

Name four groups of bones based on their shapes and give example for each group.

Group 1 _____

Group 2 _____

Group 3 _____

Group 4 _____

PART D

Answer these questions.

1. What is the different between diaphysis and epiphysis?

2. What is the different between compact and spongy bone?

3. Long bones typically contain both compact and spongy bone. What benefit does spongy bone provide? Why wouldn't you want compact bone throughout the entire bone?

4. What are the four basic steps in fracture repair? Discuss and draw.

5. What major differences might we expect when comparing bone composition in a 65 year old man with his 13 year old grandson?