

# SKELETAL & ARTICULAR SYSTEMS

## LONG BONE STRUCTURE

**CN:** Use light blue for C, a tan color for D, very light colors for E and F, yellow for I, and red for J and J'.  
 (1) Color the vertical bar to the right, which represents the epiphysis, A, and the diaphysis, B, of the long bone. Then color the parts of the long bone and the small drawing to its left. (2) Leave the medullary cavity, G, uncolored.

### LONG BONE STRUCTURE

EPIPHYSIS<sub>A</sub>

DIAPHYSIS<sub>B</sub>

ARTICULAR CARTILAGE<sub>C</sub>

PERIOSTEUM<sub>D</sub>

CANCELLOUS (SPONGY) BONE<sub>E</sub>

COMPACT BONE<sub>F</sub>

MEDULLARY CAVITY<sub>G</sub>

RED MARROW<sub>H</sub>

YELLOW MARROW<sub>I</sub>

NUTRIENT ARTERY<sub>J</sub>

BRANCHES<sub>J'</sub>

Coronal section through proximal epiphysis and dissection of medullary cavity in upper and lower femur

ANTERIOR VIEW (Left femur)

