BONES

OSTEOCLASTS

MULTINUCLEATED CELLS THAT ABSORB BONE TISSUE DURING GROWTH & HEALING

OSTEOBLASTS

→ FORMS BONE MATRIX
→ MAKES BONE
→ B FOR BUILDING BONE

OSTEOCYTES

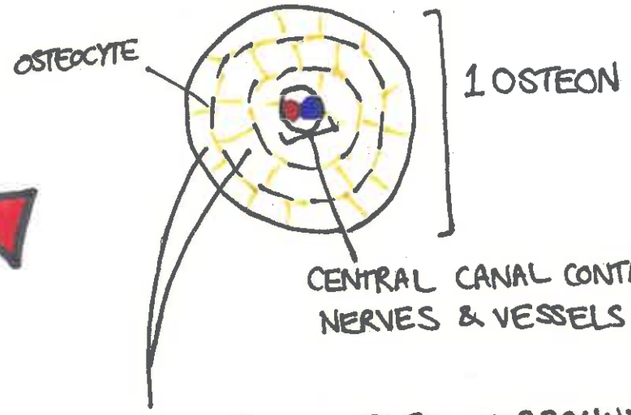
→ BONE CELLS FORMED FROM OSTEOBLASTS
→ MAINTAIN BONE TISSUE

BONE CELLS

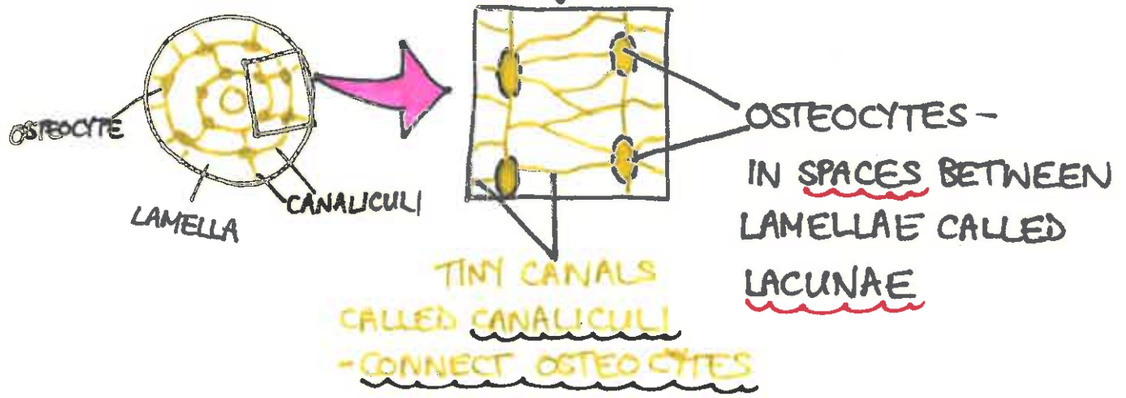
COMPACT BONE

→ VERY HARD BONE THAT RUNS VERTICALLY ALONG THE LENGTH OF THE LONG BONE - PROVIDES STRENGTH

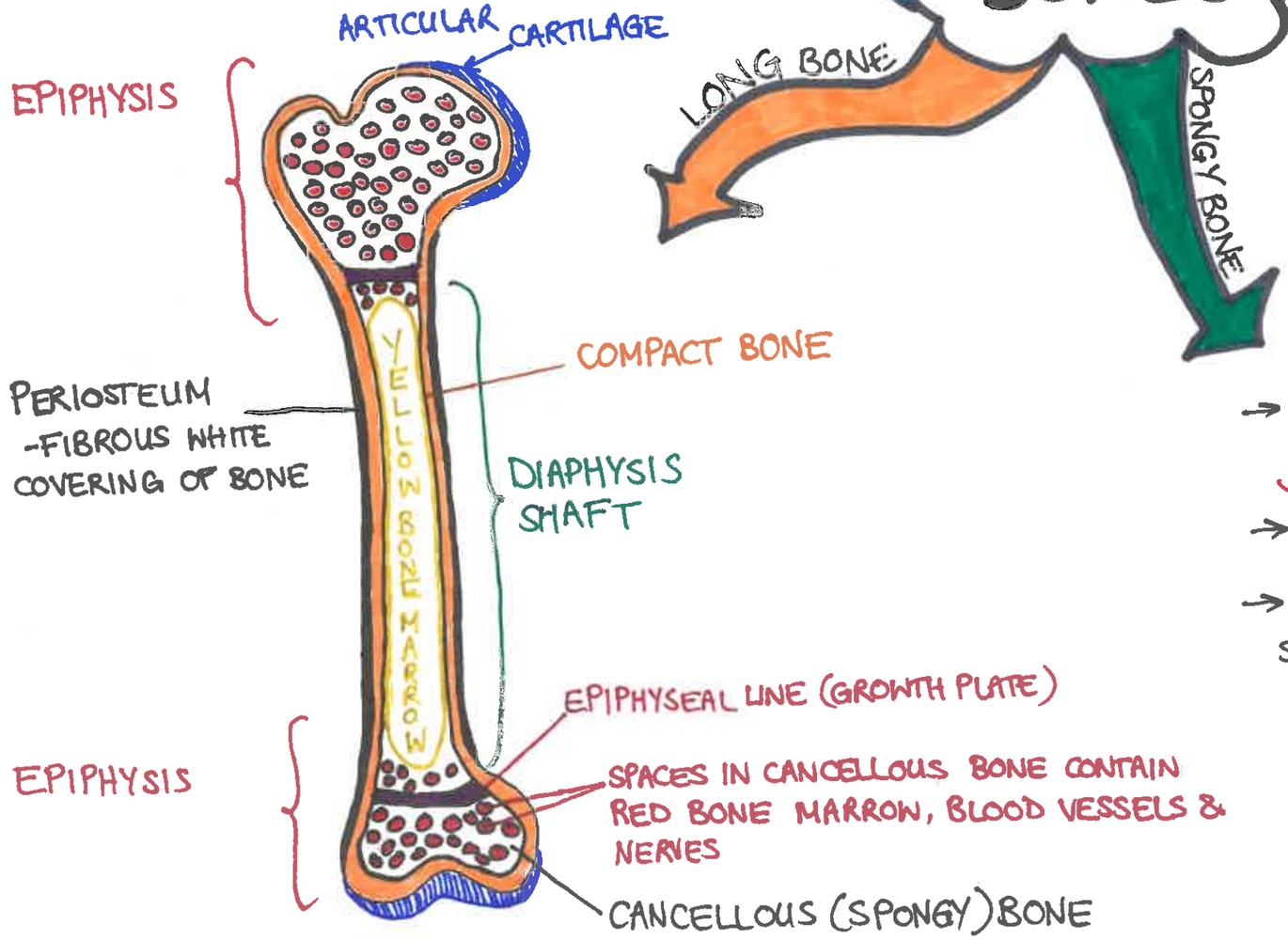
→ MADE OF UNITS CALLED OSTEONS



CONCENTRIC CIRCLES SURROUNDING THE CENTRAL CANAL ARE CALLED LAMELLAE (LAYERS)



LONG BONE



SPONGY BONE

→ IRREGULAR ARRANGEMENT OF THIN, BONY TRABECULAE
→ OSTEOCYTES (BONE CELLS) ARE IN TRABECULAE
→ NERVES & VESSELS PASS THROUGH SPACES IN TRABECULAE