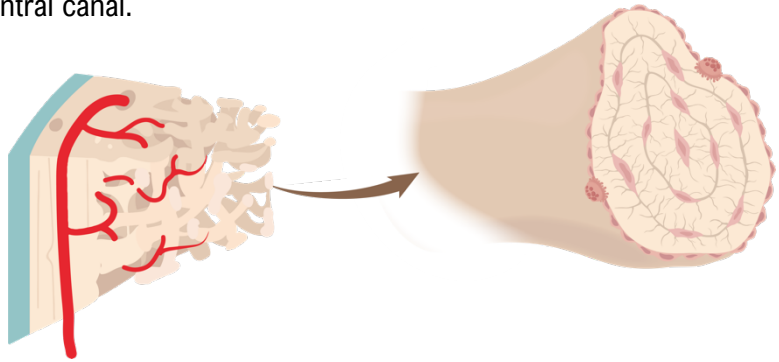


TOPIC: MICROSCOPIC ANATOMY OF BONES: TRABECULAE

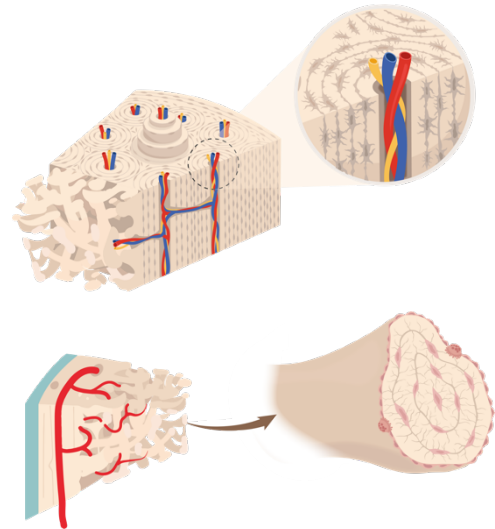
- *Recall:* spongy bone is named for its _____ like appearance with many open spaces.
- **Trabeculae:** small _____ or struts in spongy bone.
 - Contain lamellae, osteocytes, and canaliculi.
 - No well-organized _____ and no central canal.
 - Align with lines of _____.



- Spongy bone is sometimes called _____ bone or *cancellous* bone.
 - *Trabeculae* = Greek for _____ or *timber*.
 - *Cancellous* = Latin for _____.

EXAMPLE: Identify which structures and cells are associated with compact bone and which are associated with spongy bone.

Structure	Compact Bone	Spongy Bone
Osteoblasts		
Perforating Canals		
Endosteum		
Osteons		
Trabeculae		
Osteocytes		
Canaliculi		



PRACTICE: Which structure allow osteocytes receive nutrients in spongy bone?

- a) Central Canals. b) Perforating Canals. c) Canaliculi. d) Extra Cellular Matrix.