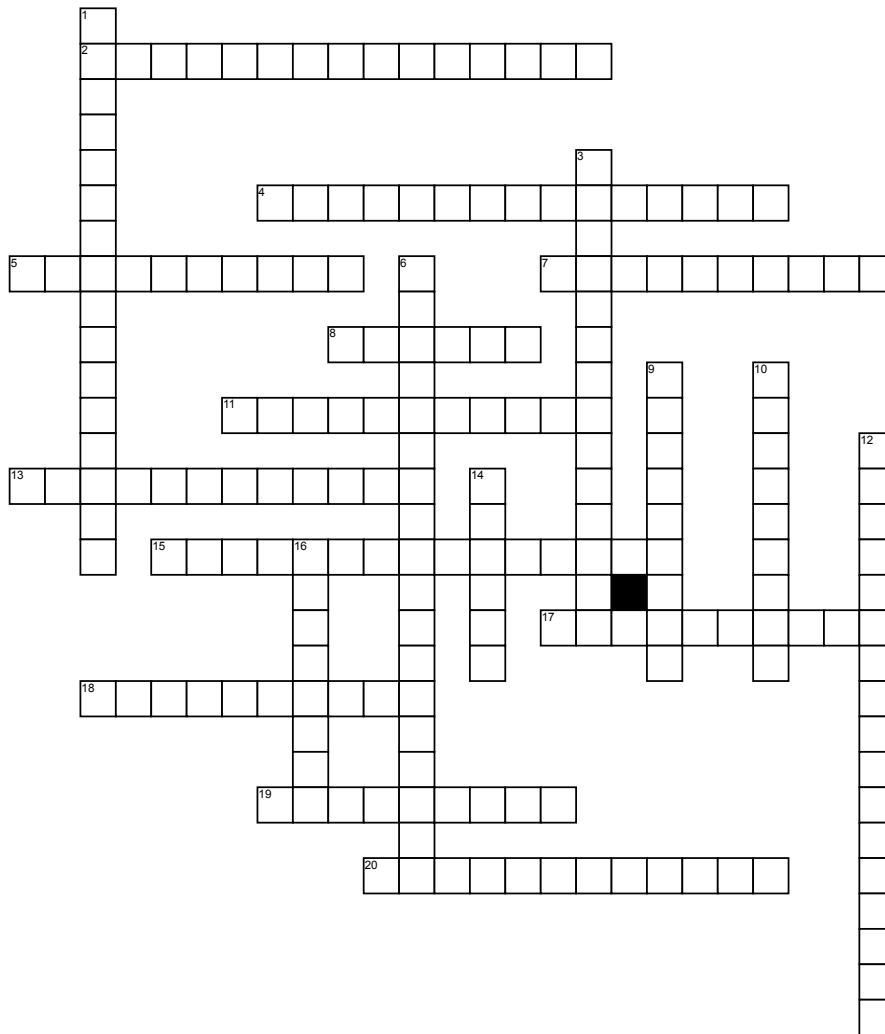


Skeletal System



Across

- 2. Is a hyaline cartilage plate in the metaphysics at each end of a long bone
- 4. Farthest from the center of the body made of spongy tissue
- 5. Large multinucleate bone cell that absorbs bone tissue during growth and healing
- 7. Bone found in animals, highly vascularized and contains red bone marrow
- 8. Comprising of Haversian canals, basic unit structure of compact bone, arranged lamellae
- 11. Dense bone, solidly filled with organic ground substance of bony matrix
- 13. Also known as ependymal canal, continuous with the ventricular system of the brain

15. Central cavity of bone shafts where red and yellow bone marrow is stored

- 17. A dense layer of vascular connective tissue enveloping the bones except at the surfaces of the joints
 - 18. A cell that secretes the matrix for bone formation
 - 19. Formation of red blood cells , fatty network of connective tissue that fills the cavities of bones(infants).
 - 20. With fat found at the ends of long bones in adults
- Down**
- 1. Volkmar's canals, any of the small channels in the bone that transmit blood vessel from the periosteum into the bone

3. The line of junction of the epiphysis and diaphysis of a long bone where growth in length occurs

- 6. function to provide smooth, lubricated surface for articulation.
- 9. The shaft or central part of a long bone
- 10. a bone cell, formed when an osteoblast becomes embedded in the matrix it has secreted
- 12. Nearest to the center of the body made of spongy tissue.
- 14. A cavity depression especially in bone
- 16. A thin layer membrane, tissue , scale or part especially in bone tissue

Word Bank

- | | | | | |
|---------------------|------------------|------------------|--------------------|-------------------|
| Osteoblast | Red Marrow | Medullary Cavity | Periosteum | Osteocyte |
| Distal Epiphysis | Epiphyseal Plate | Compact Bone | Lamellae | Perforating Canal |
| Diaphysis | Osteoclast | Lacuna | Proximal Epiphysis | Osteon |
| Articular Cartilage | Spongy Bone | Central Canal | Yellow Marrow | Epiphyseal Line |