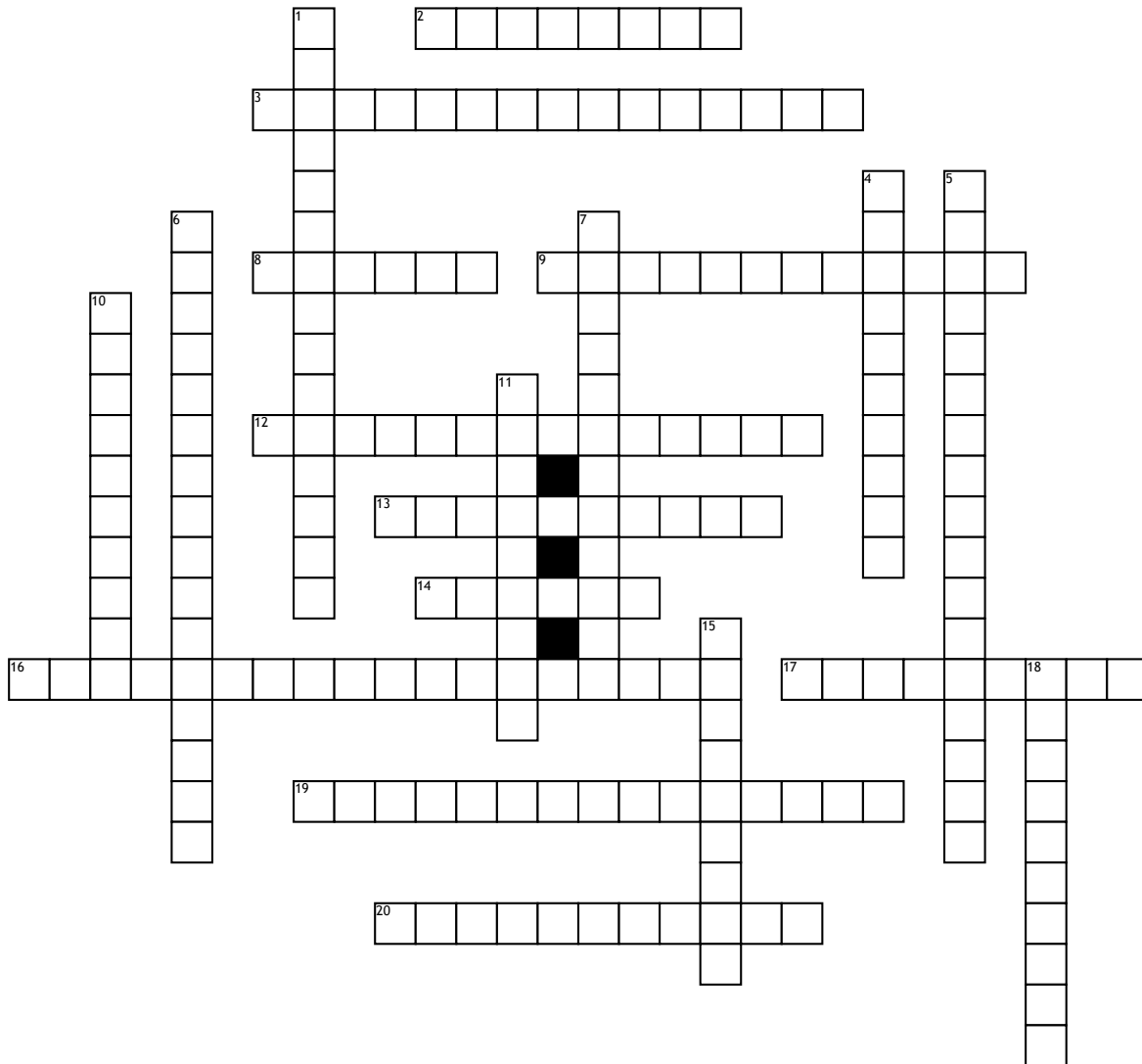


Skeletal System



Across

2. a thin layer, membrane, scale, or platelike tissue or part, especially in bone tissue
 3. rounded part of the bone found at the end of the diaphysis that is pointing away from the center of the body
 8. the fundamental functional unit of much compact bone
 9. found at the ends of long bones in adults
 12. The line of junction of the epiphysis and diaphysis of a long bone where growth in length occurs
 13. a large multinucleate bone cell that absorbs bone tissue during growth and healing
 14. a cavity or depression, especially in bone

16. is the highly specialized connective tissue of diarthrodial joints
 17. the long, middle portion of a bone
 19. central cavity of bone shafts where red bone marrow and/or yellow bone marrow is stored
 20. dense bone in which the bony matrix is solidly filled with organic ground substance and inorganic salts

Down

1. a hyaline cartilage plate in the metaphysis at each end of a long bone
 4. a dense layer of vascular connective tissue enveloping the bones except at the surfaces of the joints
 5. Enlarged terminal part of the bone, nearest the center of the body, made of spongy tissue and articulating with neighboring bones

6. atomic arrangements in cortical bones
 7. the cerebrospinal fluid-filled space that runs longitudinally through the length of the entire spinal cord
 10. a cell that secretes the matrix for bone formation
 11. a bone cell, formed when an osteoblast becomes embedded in the matrix it has secreted
 15. required for the formation of red blood cells
 18. a very porous type of bone found in animals. It is highly vascularized and contains red bone marrow