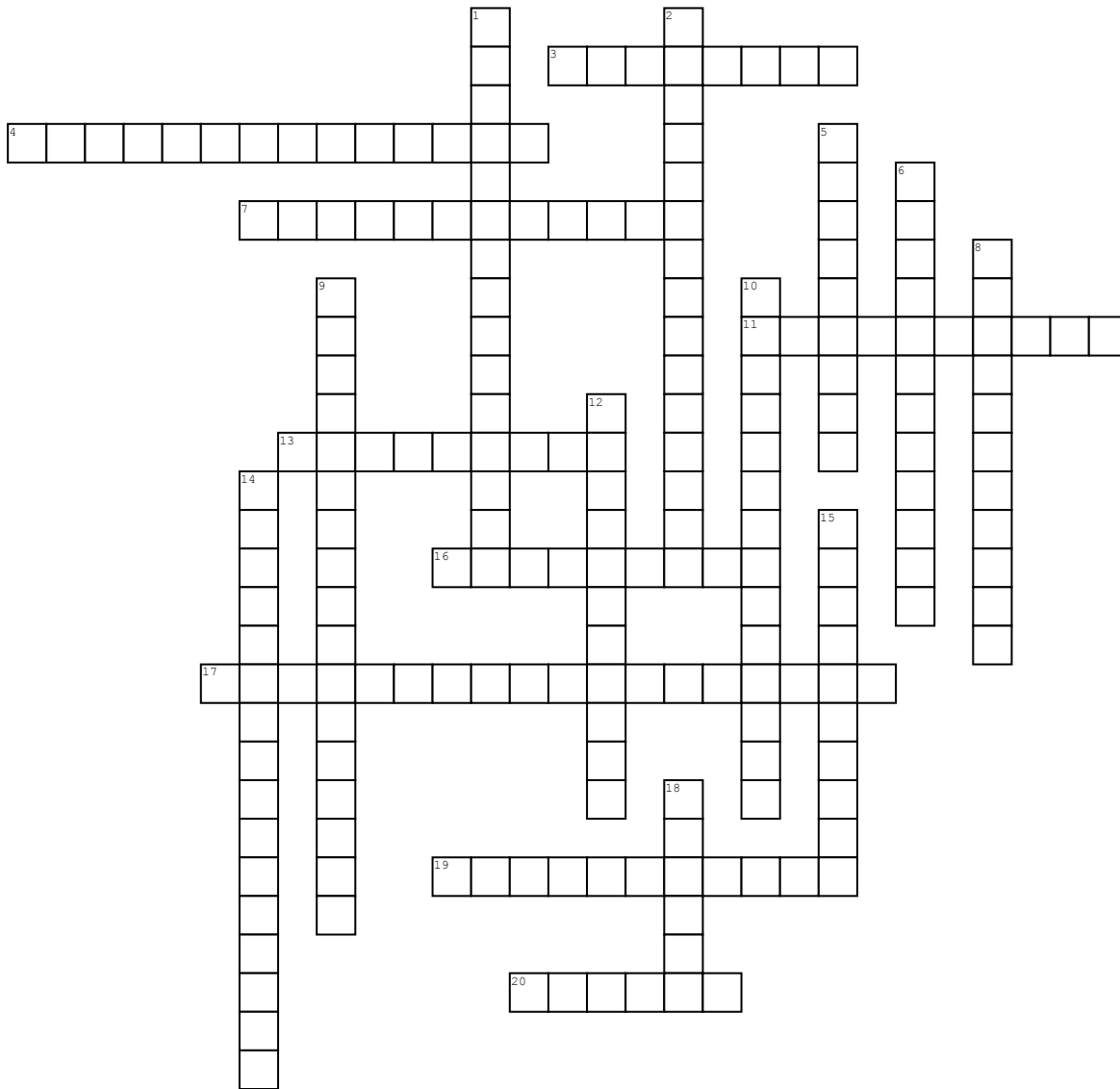


Name: _____

Date: _____

Skeletal System



Across

3. thin layer, membrane, scale, or platelike tissue or part, especially in bone tissue
4. Plate of hyaline cartilage at the junction of the diaphysis and epiphysis that provides with growth in length of a long bone
7. Houses blood vessels and nerves within the bone
11. Dense layer of vascular connective tissue enveloping the bones except at the surfaces of the joints
13. shaft or central part of a long bone
16. Mature bone cell
17. Hyaline cartilage covering bone ends of movable joints

19. Also called cortical or dense bone, body matrix is solidly filled with organic ground substances and inorganic salt. The rest of the tiny spaces contain osteocytes

20. Unfilled space or gap within a bone

Down

1. Spongy bone covered in articular cartilage, ending bones to move at the joints without grinding on each other
2. Central cavity of a long bone and contains yellow or red bone marrow
5. Bone marrow of children and some adult bones that is required for the formation of red blood cells

6. bone marrow with fat, found at the ends of long bones in adults
8. large cells that resorb or break down bone matrix
9. Enlarged terminal part of the bone, nearest to the center of the body and made of spongy tissue
10. Area of growth in a long bone, layer of hyaline cartilage where ossification occurs
12. Bone forming cells
14. Helps transport nutrients to bone tissue and supply blood from periosteum
15. lattice-like matrix called trabeculae (what gives it its spongy appearance)
18. System of interconnecting canals in the microscopic structure of adult compact bone