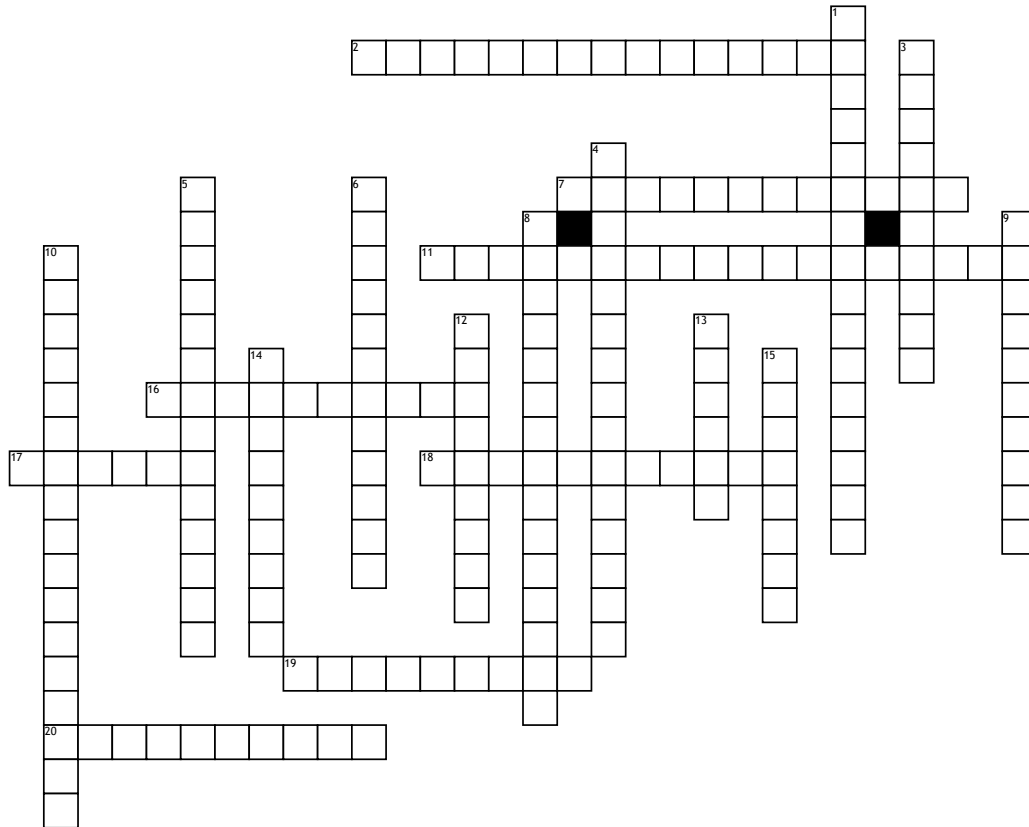


Name: \_\_\_\_\_

# Skeletal System



## Across

2. plate of hyaline cartilage found in children and adolescents, located in the metaphysis at the ends of each long bone.
7. bone marrow that is yellow with fat; found at the ends of long bones in adults.
11. smooth, white tissue that covers the ends of bones where they come together to form joints.
16. a cell that secretes the matrix for bone formation.
17. cavity or depression, especially in bone.
18. dense bone in which the bony matrix is solidly filled with organic ground substance and inorganic salts, leaving only tiny spaces (lacunae) that contain the osteocytes, or bone cells.
19. the shaft or central part of a long bone.
20. very porous type of bone found in animals. It is highly vascularized and contains red bone marrow.

## Down

1. any of the small channels in the bone that transmit blood vessels from the periosteum into the bone and that communicate with the Haversian canals.
3. a large multinucleate bone cell that absorbs bone tissue during growth and healing.
4. central cavity of bone shafts where red bone marrow and/or yellow bone marrow (adipose tissue) is stored.
5. The line of junction of the epiphysis and diaphysis of a long bone where growth in length occurs.
6. the cerebrospinal fluid-filled space that runs longitudinally through the length of the entire spinal cord.

8. spongy bone, which is bone with tiny holes similar to lattices. These holes are filled with connective tissue and bone marrow.
9. a dense layer of vascular connective tissue enveloping the bones except at the surfaces of the joints.
10. The closer growth plate of a bone.
12. bone cell, formed when an osteoblast becomes embedded in the matrix it has secreted.
13. roughly cylindrical structures that are typically several millimeters long and around 0.2 mm in diameter.
14. bone marrow of children and some adult bones that is required for the formation of red blood cells
15. a thin layer, membrane, scale, or platelike tissue or part, especially in bone tissue.

## Word Bank

Yellow marrow	Distal epiphysis	Perforating canal	Lacuna	Proximal epiphysis
Medullary cavity	Osteoblast	Osteocyte	Diaphysis	Red Marrow
Periosteum	Epiphyseal line	Articular Cartilage	Osteoclast	Spongy bone
Lamellae	Osteon	Epiphyseal plate	Central canal	Compact bone