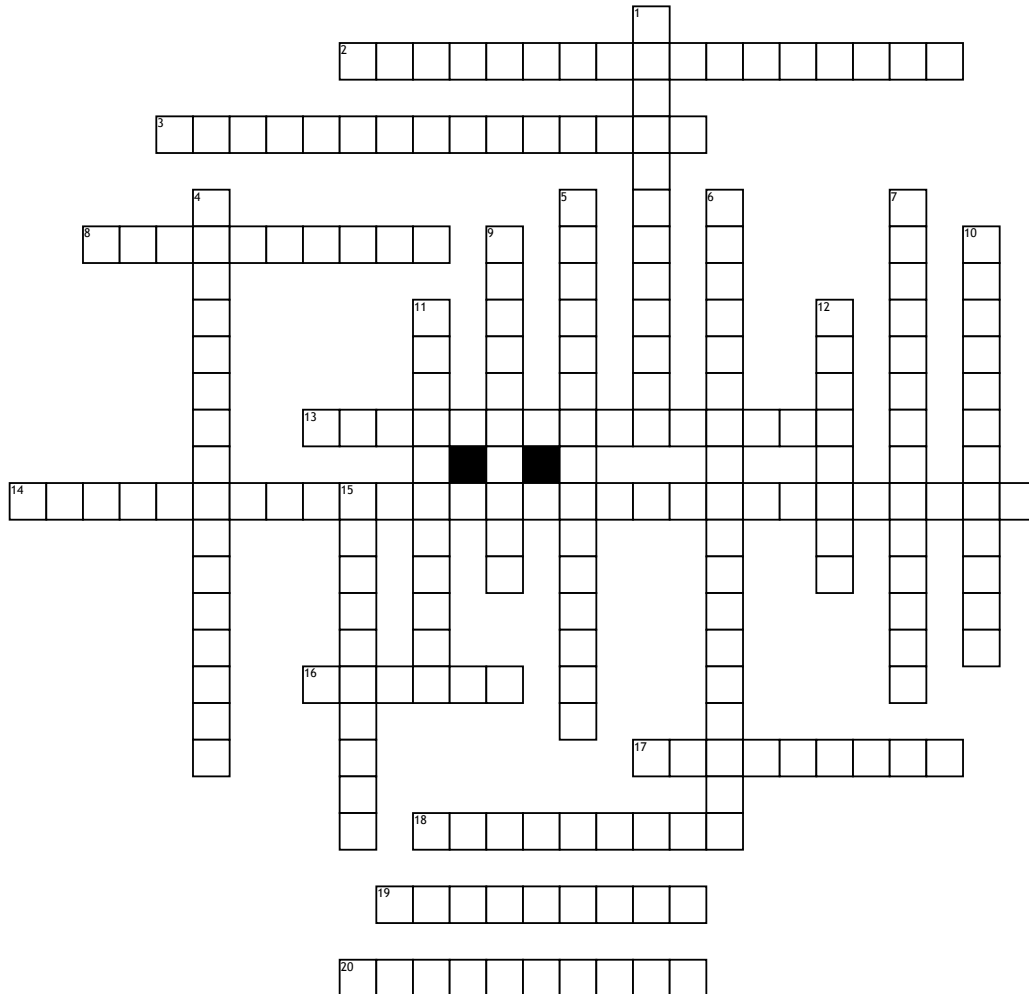


Skeletal System



Across

- 2. on the other side of the diaphysis pointing toward the center of the body. Rounded, made up of spongy tissue and covered in articular cartilage.
- 3. central cavity, innermost part, of bone shafts where red marrow and or yellow marrow is stored.
- 8. a large multinucleate bone cell that absorbs bone tissue during growth and healing
- 13. plate of hyaline cartilage found in children, located in the metaphysis at the end of each long bone
- 14. lacuna
- 16. fundamental unit of much compact bones.
- 17. the shaft or central part of a long bone

Word Bank

- osteoblast
- osteoclast
- central canal
- Diaphysis
- compact bone
- red marrow
- perforating canal

- 18. a bone cell, formed when an osteoblast becomes embedded in the matrix it has secreted
- 19. also known as myeloid tissue, abundant with red blood cells.
- 20. a cell that secretes the matrix for bone formation.

Down

- 1. continuous with the ventricular system (vertical)
- 4. any small channels in the bone that transmit blood vessels from the periosteum into the bone and communicate with the haversian canals.
- 5. covered in articular cartilage, enabling bones to move at the joints without grinding on each other.

- 6. The hollow space within the center of the bone shaft filled with yellow bone marrow.
- 7. Indicates that the epiphyseal cartilages got narrower, growth ended.
- 9. porous type of bone found in animals. its is highly vascularized and contains red bone marrow.
- 10. a type of bone marrow with a high number of fat cells
- 11. Also called cortical bone, dense bone In which the bone matrix is solidly filled with organic ground substance and inorganic salts.
- 12. a thin layer, membrane, scale or platelike tissue or part, especially in bone tissue.
- 15. a dense layer of vascular connective tissue enveloping the bones except at the surface of the joints.

- osteon
- Epiphyseal Plate
- osteocyte
- Proximal Epiphysis.
- lamellae
- Distal Epiphysis
- yellow marrow

- Articular Cartilage
- Epiphyseal Line
- spongy bone
- periosteum
- a unified space or interval; a gap.
- medullary cavity