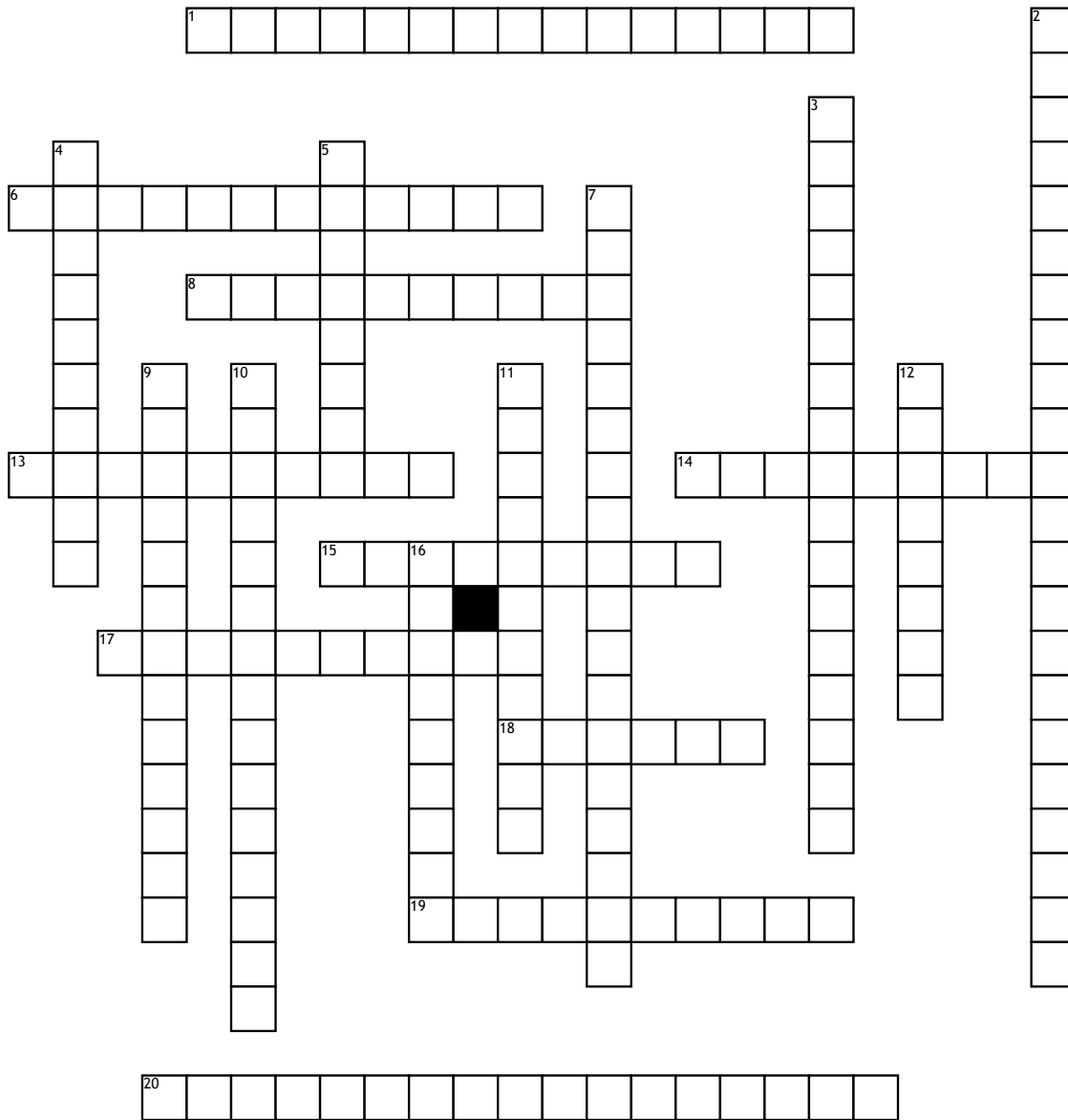


Name: _____

Date: _____

Bones



Across

- 1. the cavity of the shaft that is primarily a storage area for adipose (fat) tissue
- 6. the cavity of the shaft that is primarily a storage area for adipose (fat) tissue
- 8. bone forming cells; add bony tissue to the external surface of the diaphysis
- 13. is a fibrous connective tissue membrane that covers and protects the diaphysis
- 14. Mature bone cell
- 15. area that forms red blood cells in infants; in adults the red marrow is confined in cavities in the spongy bone of flat bones and the epiphyses of some long bones
- 17. cells that take nutrients away from the bone; bone destroying cells; they break down bone matrix and release calcium ions into the blood; removes bone from inner surface of the diaphysis; break down and reshape the bone

- 18. system of interconnecting canals in the microscopic structure of adult compact bone; a unit of bone
 - 19. composed of small needle like pieces of bone and has lots of open space
 - 20. run into the compact bone at right angles to the shaft; communication pathway from the outside of the bone to its interior and also the central canals
- Down**
- 2. run lengthwise through bony matrix; carries blood vessels and nerves to all areas of the bone
 - 3. Enlarged terminal part of the bone, nearest the center of the body, made of spongy tissue and articulating with neighboring bones
 - 4. is a fibrous connective tissue membrane that covers and protects the diaphysis
 - 5. concentric circles of lacunae in an arrangement

- 7. Covers the external surface of bones instead of a periosteum, Glassy hyaline cartilage that provides a smooth and slippery surface that decreases friction at joint surfaces
- 9. a thin line of bony tissue that spans across the epiphysis and looks a bit different from the rest of the bone; a remnant of the epiphyseal plate
- 10. is made up of spongy bone, which is bone with tiny holes similar to lattices. These holes are filled with connective tissue and bone marrow
- 11. dense bone. it looks smooth and homogenous
- 12. tiny cavities found in the bone matrix
- 16. makes up most of the bone's length and is composed of compact bone