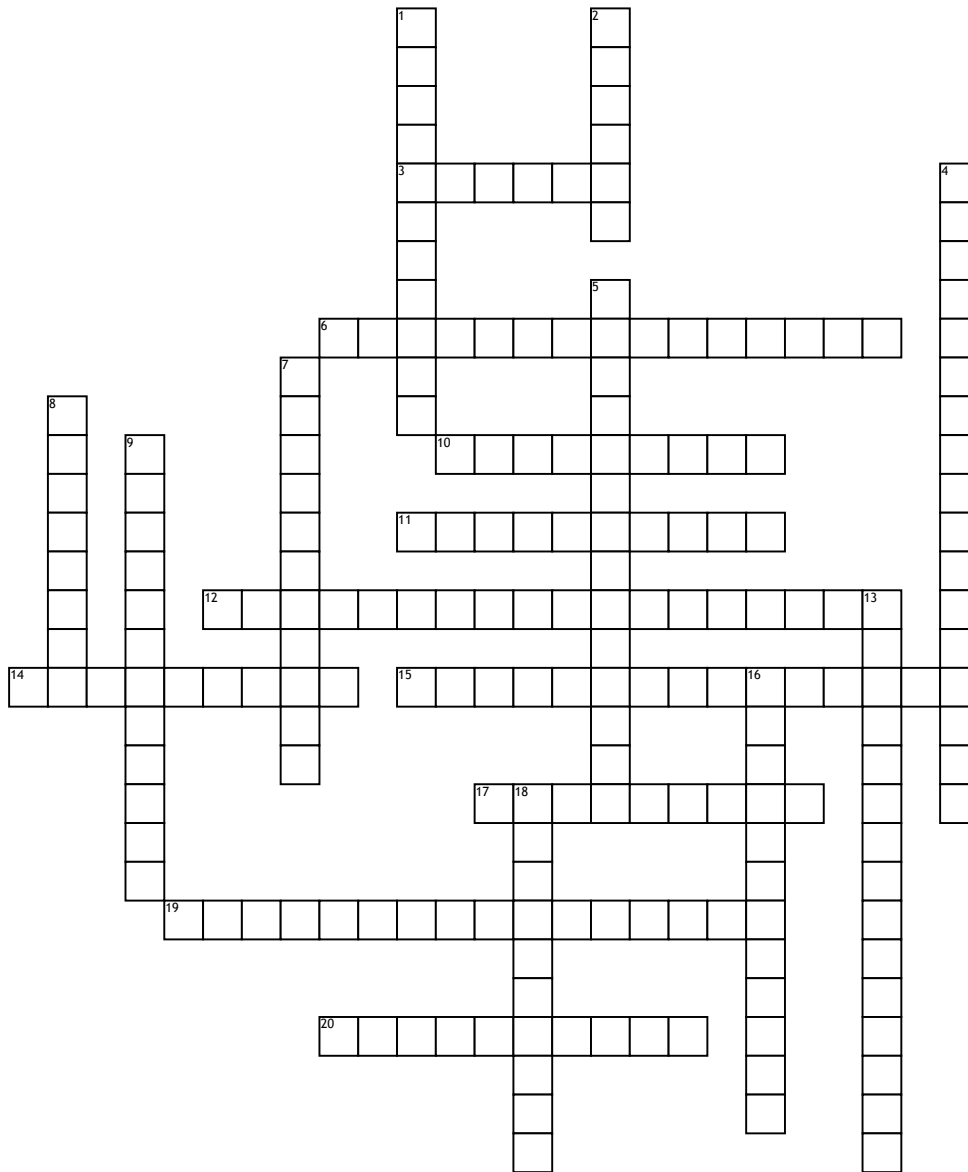


Name: _____

Date: _____

Skeletal System



Across

3. Fundamental functional unit of much compact bone, also known as the Haversian System

6. Made up of spongy bone, filled with bone marrow facing away from the body

10. Hollow inside with an open space called the medullary cavity filled with yellow bone marrow

11. Serves as protection as well as a channel for the blood supply and nutrients for bone tissue

12. White tissue that covers the ends of bones that come together to form joints

14. Generate blood cells, most abundant in adolescents

15. Known as the marrow cavity

17. Mature bone cells

19. Small channels in the bone that transmit blood vessels and communicate with the Haversian canals

20. Produces bone cells

Down

1. Absorb and remodel bone cells

2. Houses the osteocytes

4. Rounded end of a long bone filled with long red bone marrow facing toward the body

5. Area of growth in a long bone. It is a layer of hyaline cartilage where ossification occurs in immature bones

7. Contains the lacunae that contain the osteocytes, made up of dense bone matrix

8. Compact bone tissue that surrounds a central canal

9. Fatty network of connective tissue that fills the cavities of bones, in adults YELLOW

13. Determines the future length and shape of the mature bone, also known as the growth plate

16. Houses blood vessels and nerves within the bone

18. Known as trabecular bone located at the end of long bones