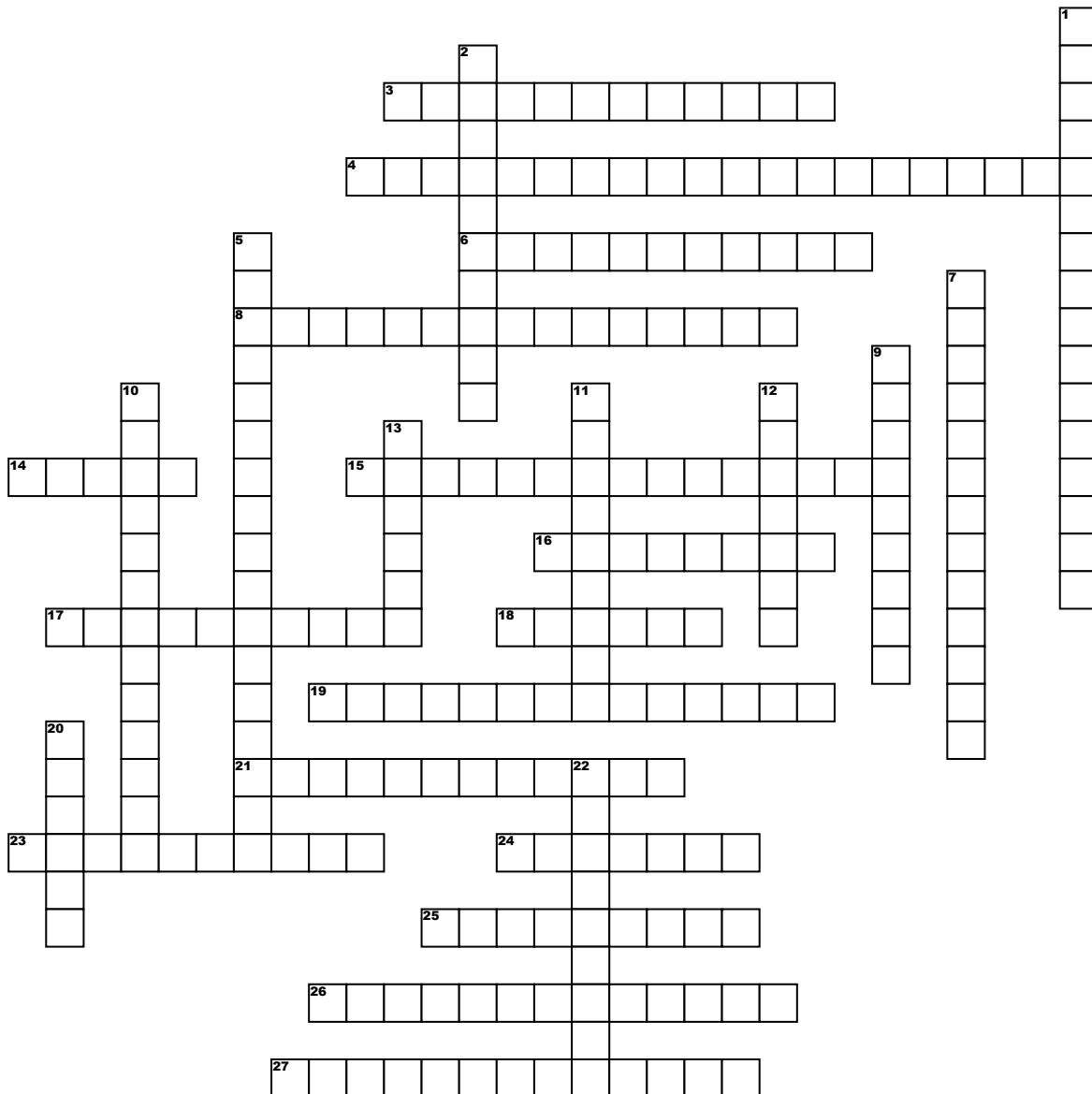


Name: _____ Date: _____ Period: _____

Ch. 32 Crossword



Across

3. the formation of bone from osteoblasts

4. includes bones of the shoulders, arms, hands, hips, legs, and feet

6. the dense and strong outer layer of all bones that provides strength and protection

8. consciously controlled skeletal muscle

14. protein filament in muscle cells that functions with myosin in contraction

15. lubricates skin and hair

16. tough bands of connective tissue that attach one bone to another

17. found in the center of short or flat bones that is less dense and has many cavities that contain bone marrow

18. second layer of skin

19. striated muscle that causes movement when contracted and is attached to bones by tendons

21. muscle that lines many hollow internal organs, such as the stomach and uterus

23. bone forming cell that is responsible for the growth and repair of bone

24. a protein that waterproofs and protects the cells and tissues that lie underneath

25. Living bone cells

26. produces red and white blood cells and platelets

27. includes the skull, the vertebral column, the ribs, and the sternum

Down

1. type of marrow that consists of stored fat

2. cells that break down bone cells and are then replaced by new bone tissue

5. smooth muscle which cannot be controlled consciously

7. involuntary muscle found only in the heart

9. outer superficial layer of skin

10. narrow cavities in the dermis that hair grows out of

11. small muscle fiber that functions in contraction and consists of myosin and actin protein filaments

12. pigment that absorbs light energy, which protects deeper cells from the damaging effects of ultraviolet rays of sunlight

13. tough connective tissue band that connects muscle to bone

20. protein filament in muscle cells that functions with actin in contraction

22. in skeletal muscle, the functional unit that contracts and is composed of myofibrils