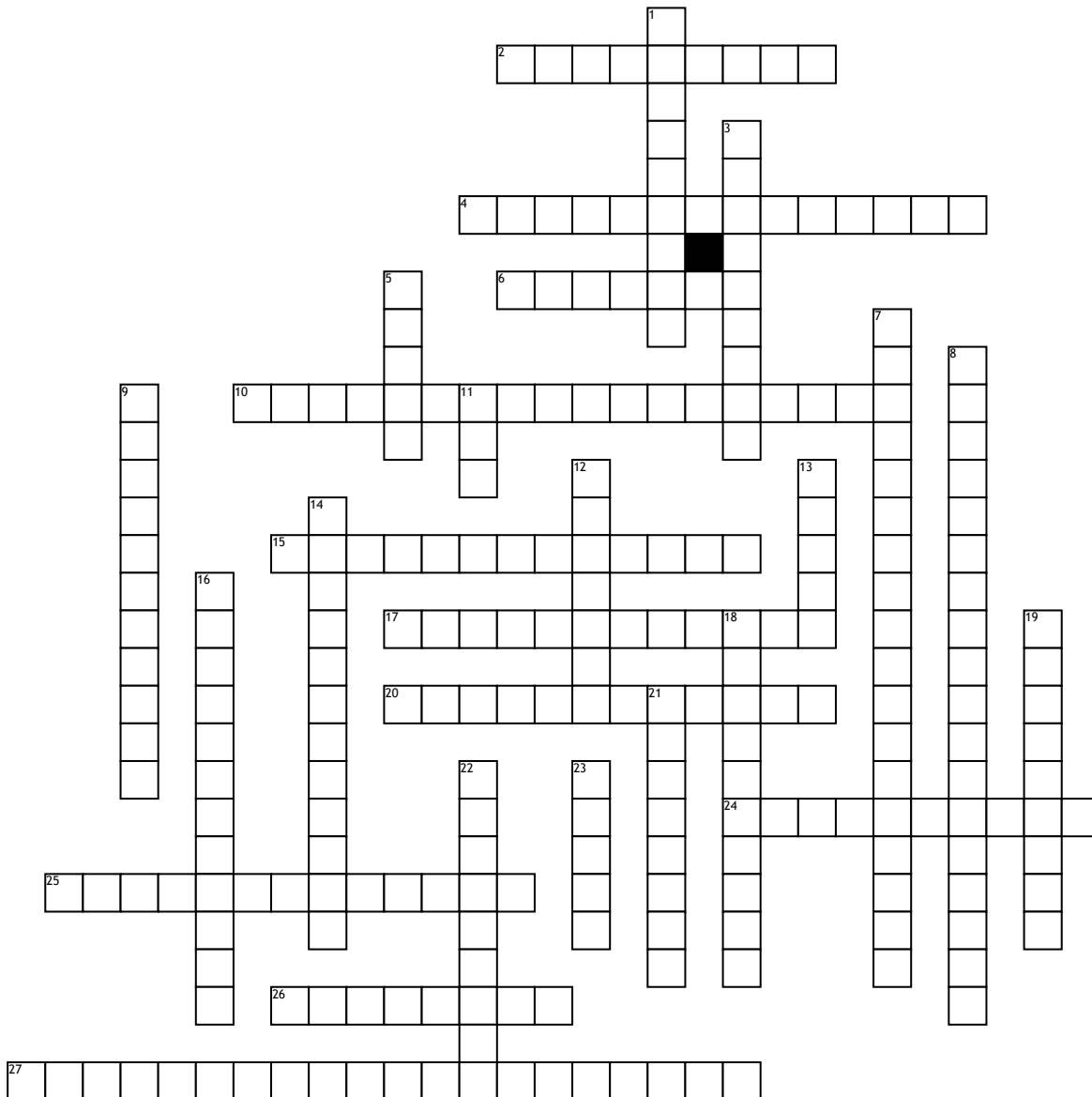


Name: _____

Date: _____

Cells



Across

2. An organelle in a cell that receives protein and other newly formed material from the endoplasmic reticulum, packages them, and distributes them to other parts of the cell.
4. Theodor Schwann discovered that animals are made of cells
6. In cells, a large oval organelle that contains the cell's genetic material in the form of DNA and controls many of the cell's activities
10. Matthias Schleiden discovered that plants are made out of cells.
15. Provides magnification times 40
17. An organelle in the cells of plants and some other organisms that captures energy from sunlight and changes it to an energy form that cells can use in making food.
20. A thin flexible barrier that surrounds a cell and controls what goes in and out of a cell
24. Cells come from existing cells. Cells are the basic unit of life. All living things have cells

25. He is a German physician, he came to the conclusion that all cells come from preexisting cells.

26. A rigid supporting layer that surrounds the cell of plants and some other organisms

27. moves the stage up and down for focusing - be careful when using on high power b/c you can crush the slide

Down

1. Produce protein
3. A organelle that contains chemicals that break down large food particles into smaller ones
5. Shines on slide
7. moves the stage up and down to slightly sharpen the image - use after the coarse adjustment knob
8. Holds high and low power objectives, can be rotated to adjust magnification.
9. Robert Hooke was the first person to see non living cells are name cells.

11. Supports the body tube

12. Stores water, food, and other materials needed by the cell

13. Basic unit of life

14. Powerhouse of a cell

16. the lens at the top that you look through. They are usually 10X or 15X power.

18. Metal clips that hold the slide in place

19. Controls amount of light entering the body tube.

21. maintains distance between eyepiece and objectives lenses

22. The thick fluid region of a cell located inside the cell membrane and nucleus.

23. The flat platform where you place your slides. Stage clips hold the slides in place. If your microscope has a mechanical stage, you will be able to move the slide around by turning two knobs. One moves it left and right, the other moves it up and down.