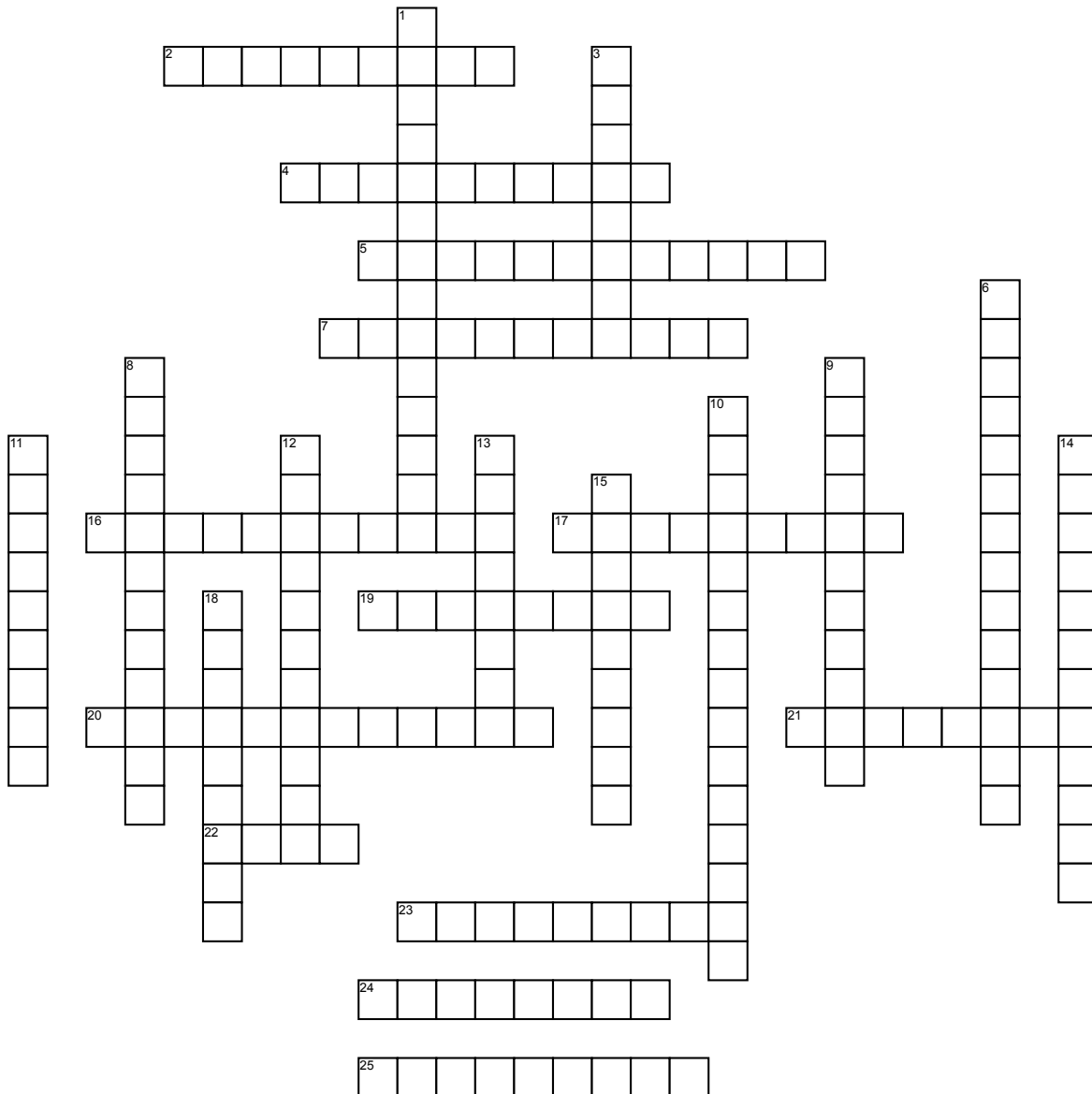


Name: _____

The Cell



Across

2. The release of bio synthesized substances
4. The transport of dissolved substances into cells
5. Organelle where nutrients are converted to energy (powerhouse of the cell)
7. Collapse of a walled cell's cytoplasm from lack of water
16. Maintaining the status quo
17. The rupturing of a cell due to excess internal pressure
19. Removal of non soluble waste materials
20. Spiral strands of protein molecules that form a tube like structure
21. Structure on the outside of certain cells

22. Substances where at least one atom has an imbalance of protons and electrons

23. Clusters of DNA, RNA, and proteins in the nucleus of a cell

24. ER that has no ribosomes

25. The breakdown of absorbed substances

Down

1. Threadlike proteins found in the cell's cytoskeleton
3. Study of Cells
6. Semipermeable membrane between the cell contents and the cell wall surroundings
8. Producing more cells
9. Organelles where proteins and lipids are stored

10. Highly porous membrane that separates the nucleus from the cytoplasm

11. Responsible for protein synthesis
12. Breakdown of food molecules with a release of energy

13. Organelle in animal cells that break down proteins, polysaccharides, and some lipids

14. Network of fibers that holds the cell together and keep its shape
15. A jellylike fluid inside the cell which the organelles are suspended
18. Removal of soluble waste materials