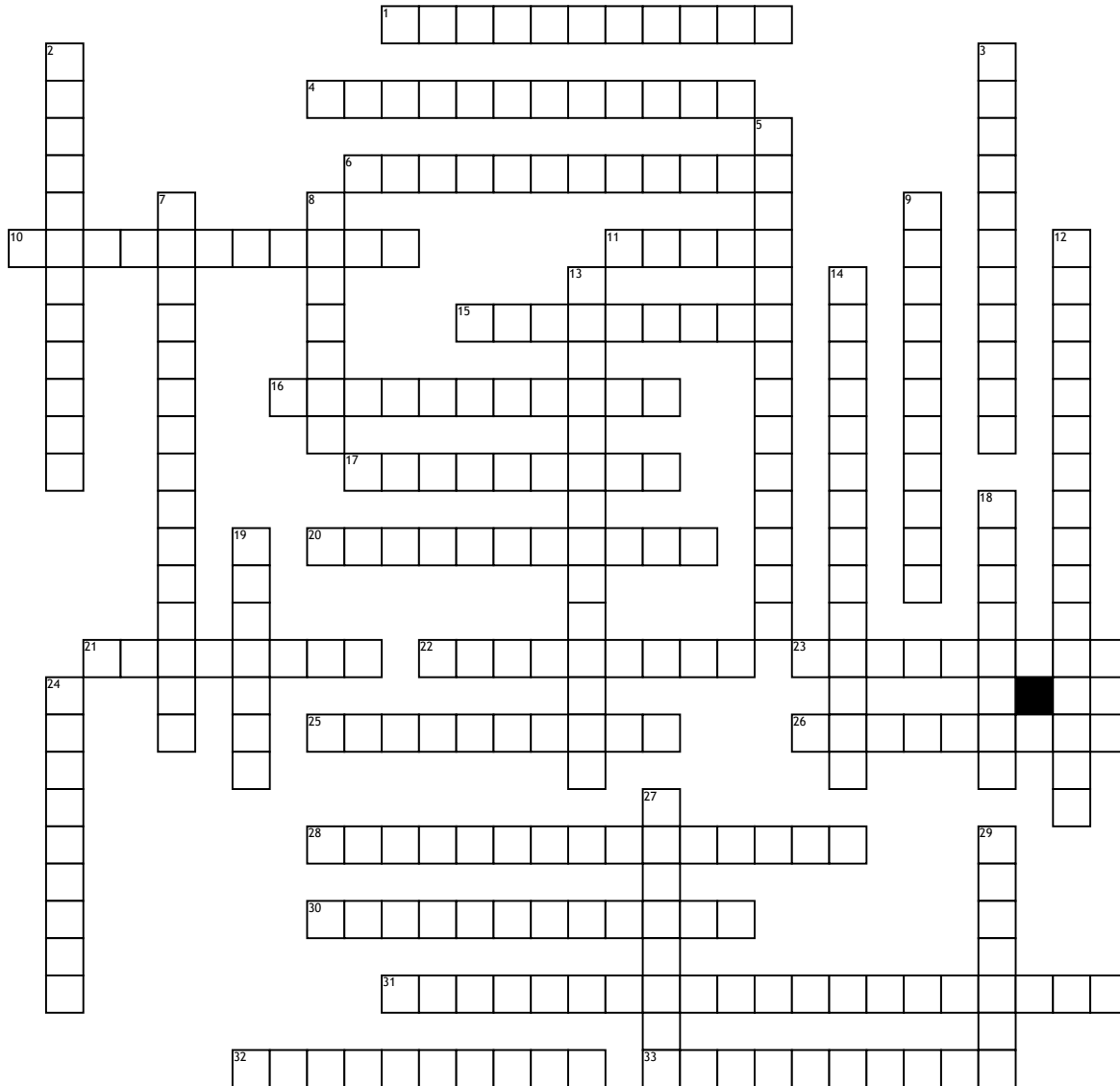


Science Ch. 2



Across

1. Water fearing, tail of the phospholipid
4. Cellular Eating
6. The “powerhouse” of the cell
10. Capturing a substance from the outside of the cell by engulfing it with the cell membrane
11. Hydro refers to...
15. Life cycle of a cell
16. Cellular Drinking
17. In this phase, nuclear membrane forms and DNA goes back to liquid form
20. When the cell splits into two cells
21. Solution with equal concentration
22. Without oxygen
23. In this phase, chromosomes line up in the middle
25. Solution with higher concentration

26. Movement of molecules from high concentration to low concentration
28. The process by which organisms use oxygen to break down food for energy
30. A class of lipids that are a component of all cell membranes
31. This occurs when molecules need special proteins to move across the membrane
32. Produced in muscles during intense exercise
33. Vesicles fusing with plasma membrane and releasing their contents to the outside of the cell

Down

2. A metabolic process that consumes in place of oxygen, happens anaerobic respiration
3. Water loving, head of the phospholipid

5. A type of passive transport, helps molecules move across the membrane
7. Transport that uses energy
8. Diffusion of water through across a selectively permeable membrane
9. An organelle found in plants where chlorophyll is found and photosynthesis takes place
12. Transport that uses no energy
13. Different name for the cell membrane
14. The process by which plants make sugar
18. In this phase, spindle fibers attach to centromere and pull chromatids apart
19. With oxygen
24. Solution with lower concentration
27. In this phase, chromosomes condense and the nucleus membrane dissolves
29. Duplication of the nucleus in the cell