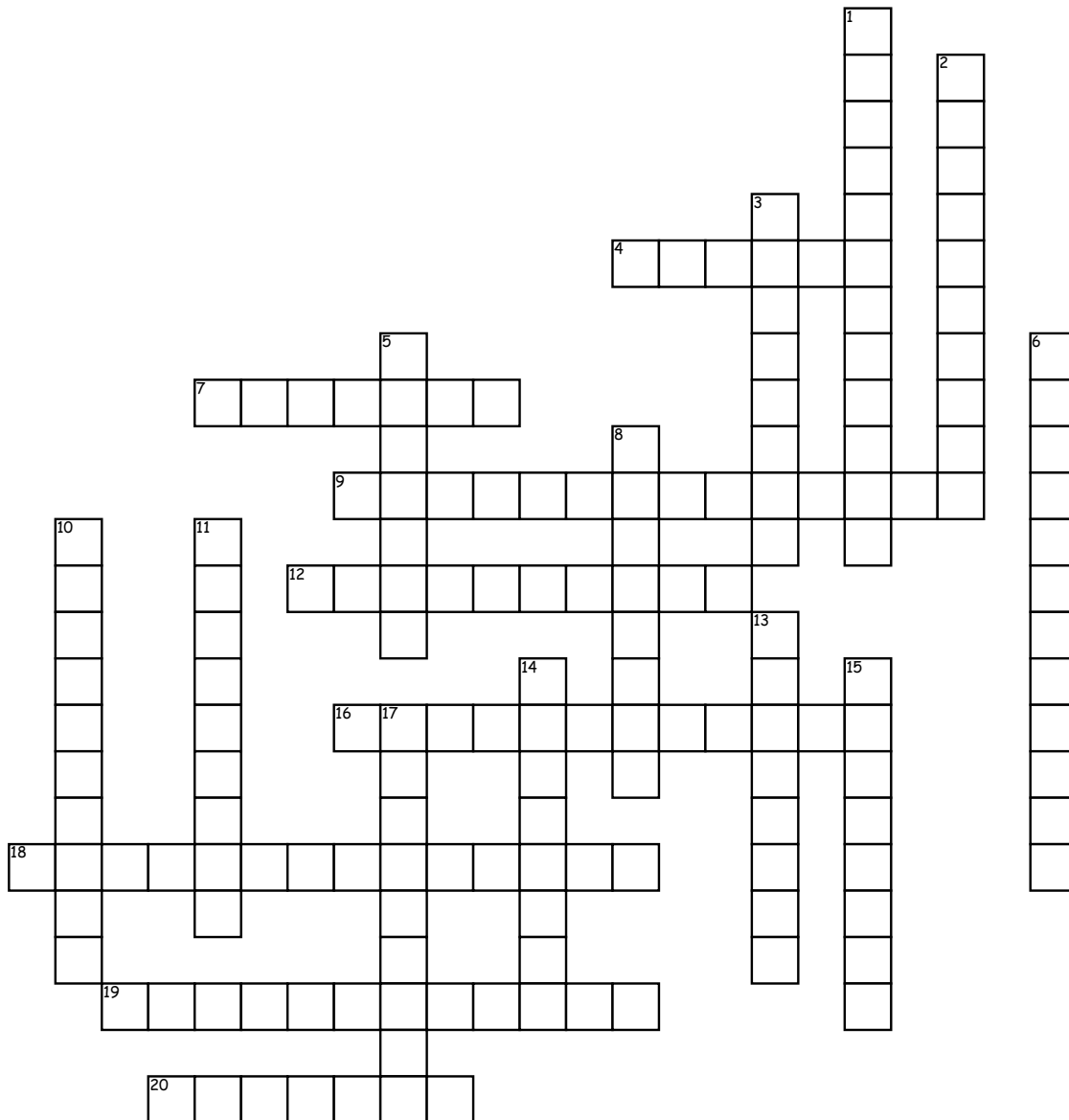


A Tour of the Cell



Across

4. a substance produced by a living organism which acts as a catalyst
7. an atom's central core containing protons and neutrons
9. the thinnest of the three main kinds of protein fibers making up the cytoskeleton of a eukaryotic cell
12. Something that states all cells come from pre-existing cells.
16. a biological membrane that separates the interior of all cells from the outside environment which protects the cell from its environment
18. organelles in eukaryotic cells that modify, store, and ship products of the endoplasmic reticulum

19. an organelle in eukaryotic cells where cellular respiration occurs
20. that portion of the endoplasmic reticulum with ribosomes attached that make membrane proteins and secretory proteins

Down

1. a biological membrane that separates the interior of all cells from the outside environment which protects the cell from its environment
2. a membrane-enclosed structure with a specialized function within a cell
3. a digestive organelle in eukaryotic cells
5. small membrane sacs that specialize in moving products into, out of, and within a cell

6. It can be found in cilia and flagella.
8. a cell structure consisting of RNA and protein organized into two subunits
10. a unicellular organism that lacks a membrane-bound nucleus, mitochondria, or any other membrane-bound organelle
11. a flattened membranous sac inside a Chloroplast
13. a long cellular appendage specialized for locomotion
14. that portion of the endoplasmic reticulum that lacks ribosomes
15. a thin membrane around the cytoplasm of a cell
17. organisms made up of cells that possess a membrane-bound nucleus that holds genetic material as well as membrane-bound organelles