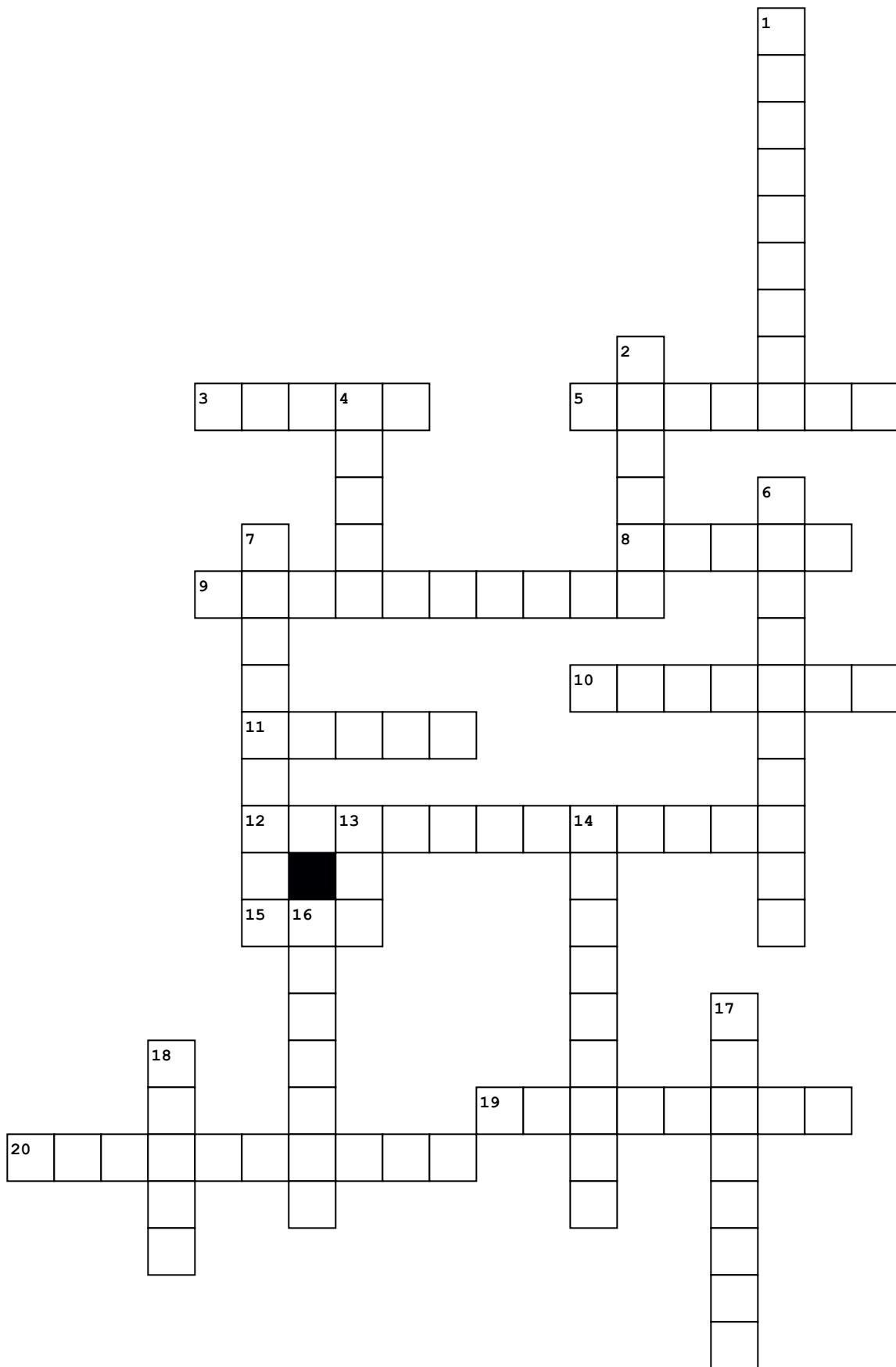


# A Tour of the Cell



**Across**

3. coat the surface of a cell
5. contains DNA
8. molecules are built with the help of smooth ER using enzymes in the ER membrane.
9. was developed in the 1500s by eyeglass makers and made cell research possible.
10. large membrane bound sacs.
11. mitochondria breaks this down and makes ATP.
12. sites in eukaryotic cells, where cellular respiration occurs.
15. is used to study the surface structure of the cells
19. glands that are rich in rough ER because they secrete enzymes in your mouth
20. All living things are composed of cells, cells are the basic unit of structure and function in living things, and all cells come from preexisting cells.

**Down**

1. is related to function.
2. cells have high mitochondria
4. membrane has numerous folding of mitochondria.
6. is a photograph taken under a microscope.
7. make proteins
13. is used to study the internal cell structures.
14. a ball-like mass of fibers and granules
16. lysosomes contain them and they break down macromolecules
17. long whip-like structures with a core of microtubules that enable some cells to move.
18. are the smallest structural units of living matter and compose all living things.