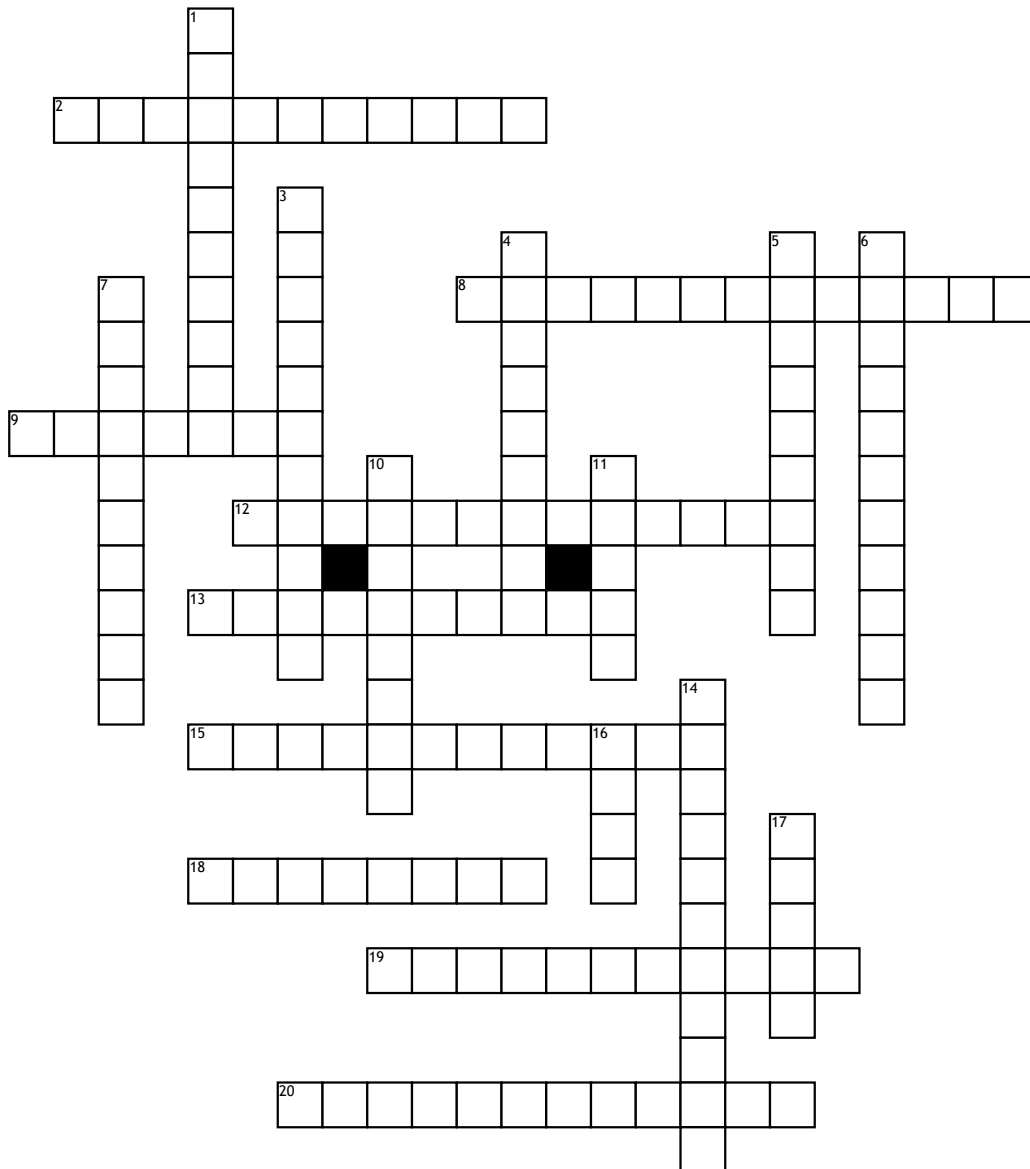


# Cells & Cell Functions



**Across**

2. \_\_\_\_\_ is the taking in of matter by a living cell by invagination of its membrane to form a vacuole.

8. \_\_\_\_\_ organisms are made of two or more cells?

9. The \_\_\_\_\_ is a dense organelle present in most eukaryotic cells, typically a single rounded structure bounded by a double membrane, containing a genetic material.

12. A \_\_\_\_\_ is a molecule containing a very large number of atoms, such as a protein, nucleic acid, or synthetic polymer.

13. What is a cell that all the organelles are contained in membranes?

15. A \_\_\_\_\_ is a microscopic network of protein filaments and tubules in the cytoplasm of many living cells, giving them shape and coherence.

18. A layer of carbohydrate lying outside the membrane of plants, fungi, and bacteria

19. \_\_\_\_\_ is where photosynthesis takes place in a plant

20. What membrane surrounds the CYTOPLASM of a cell? (cytoplasm means the material within a living cell including the nucleus)

**Down**

1. \_\_\_\_\_ is a microscopic single-celled organism that has either a distinct nucleus or other special organized. (bacteria)

3. What is it called when an organism's ability to maintain steady internal conditions when outside conditions change?

4. \_\_\_\_\_ is an organism consisting of a cell(s) in which the genetic material is DNA is the form of chromosomes contained within a distinct nucleus. (humans, turtles, plants)

5. What cell has a cell wall?

6. \_\_\_\_\_ is a complex organic substance present in living cells, especially DNA or RNA.

7. \_\_\_\_\_ is the breakdown of glucose by enzymes, releasing energy and pyruvic acid

10. What is something that has all of the characteristics of life?

11. What is the smallest unit of life?

14. \_\_\_\_\_ organisms are made of only one cell?

16. True or false: The protective layer in a plant cell gives support, maintains the cell shape, and controls the growth of a cell.

17. True or false: A cell doesn't provide structure and support for an organism.