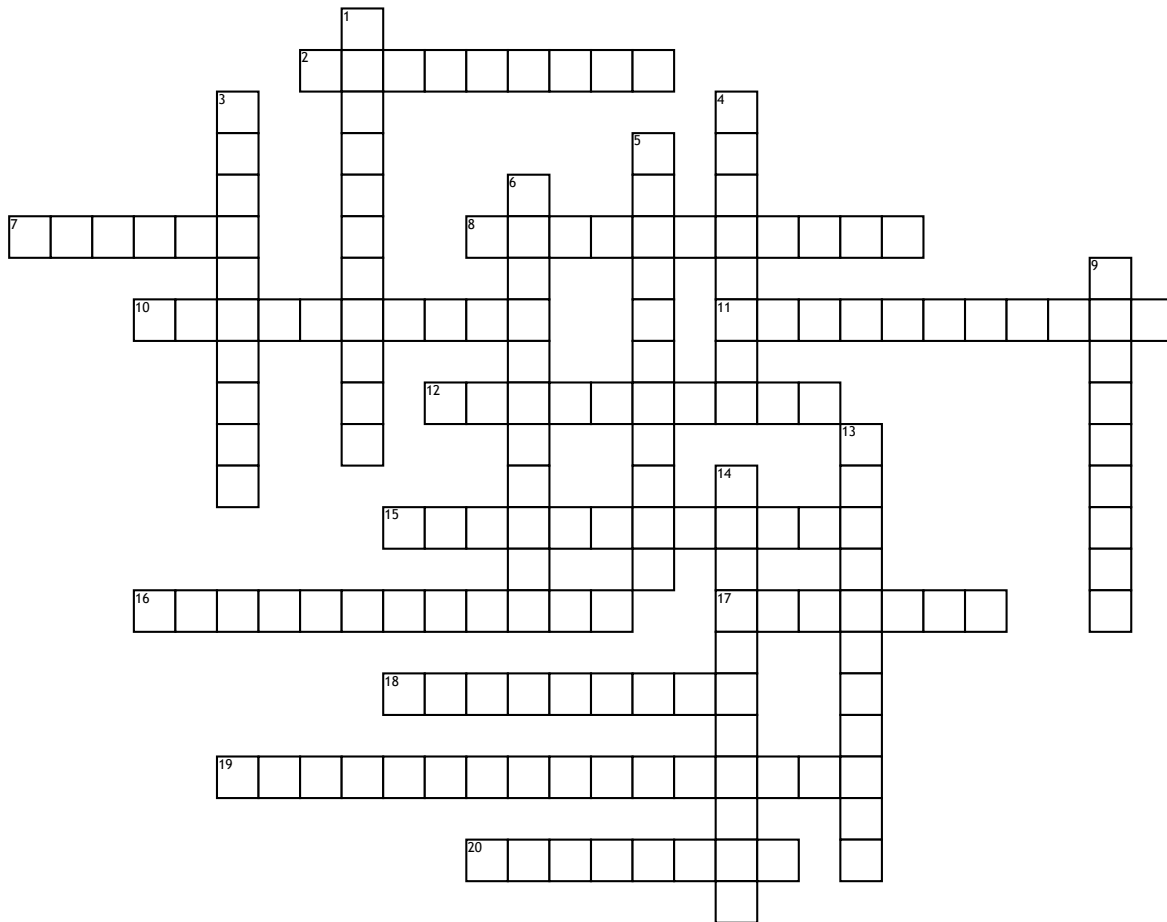


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Date: \_\_\_\_\_

Period: \_\_\_\_\_

# AICE BIO Chapter 4 Vocabulary



## Across

2. Concentration of solutes is greater inside the cell than outside of it.

7. A substance produced by a living organism which acts as a catalyst to bring about a specific biochemical reaction.

8. Lipids with a carbohydrate attached by a glycosidic bond.

10. A blood protein produced in response to and counteracting a specific antigen.

11. The taking in of matter by a living cell.

12. A process by which the contents of a cell vacuole are released to the exterior.

15. A lipid containing a phosphate group in its molecule.

16. The ingestion of bacteria or other material.

17. A process by which molecules of a solvent tend to pass through a semipermeable membrane from a less concentrated solution into a more concentrated one.

18. The state of being swollen, especially due to high fluid content.

19. The model that explains various observations regarding the structure of functional cell membranes.

20. Concentration of solutes inside the cell is equal to the concentration outside the cell.

## Down

1. Tending to repel or fail to mix with water.

3. Concentration of solutes is greater outside the cell than inside of it.

4. A toxin or other foreign substance which induces an immune response in the body.

5. A substance in the cell surface membrane that controls its fluidity.

6. The shrinking of the protoplasm away from the cell wall of a plant or bacterium due to water loss from osmosis.

9. The spontaneous net movement of particles down their concentration gradient.

13. Having the tendency to mix with or dissolve in water.

14. The ingestion of liquid into the cell.