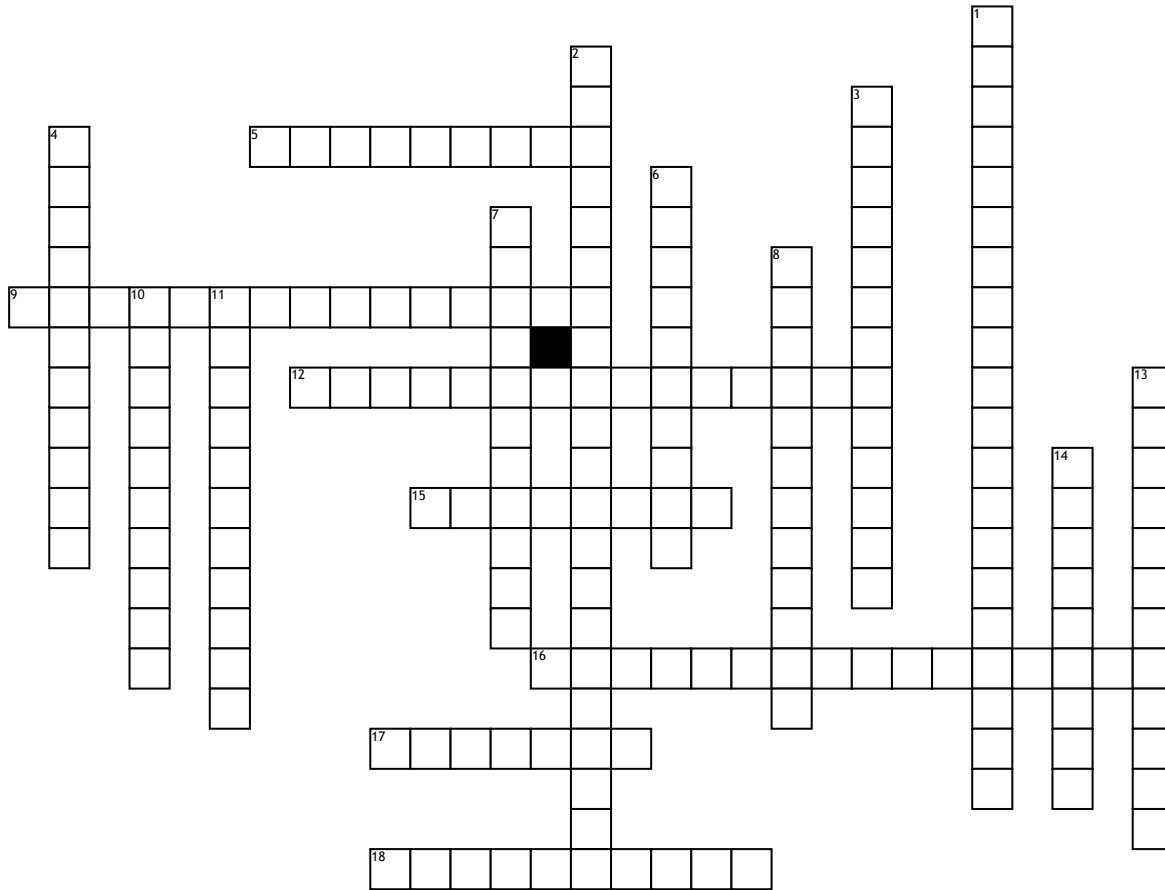


Name: _____

Date: _____

Cellular transport



Across

5. the spreading of something more widely
 9. the movement of ions or molecules across a cell membrane into a region of higher concentration
 12. microorganisms that are similar to bacteria in size and simplicity of structure but radically different in molecular organization.
 15. denoting or relating to a solution having the same osmotic pressure
 16. a movement of ions and other atomic or molecular substances across cell membranes without need of energy input
 17. a process by which molecules of a solvent tend to pass through a semipermeable membrane from a less concentrated solution

18. a bacterium of a large group typically having simple cells with rigid cell walls and often flagella for movement.

Down

1. the process of spontaneous passive transport of molecules or ions across a biological membrane
 2. the process of particles, which are sometimes called solutes
 3. situated or taking place outside a cell or cells.
 4. the ingestion of liquid into a cell by the budding of small vesicles from the cell membrane.
 6. a process by which the contents of a cell vacuole are released to the exterior through fusion of the vacuole membrane with the cell membrane

7. unicellular organism that lacks a membrane-bound nucleus

8. is a thin polar membrane made of two layers of lipid

10. not allowing fluid to pass through
 11. the taking in of matter by a living cell by invagination of its membrane to form a vacuole

13. the ingestion of bacteria or other material by phagocytes and amoeboid protozoans.

14. organisms whose cells have a nucleus enclosed within membranes