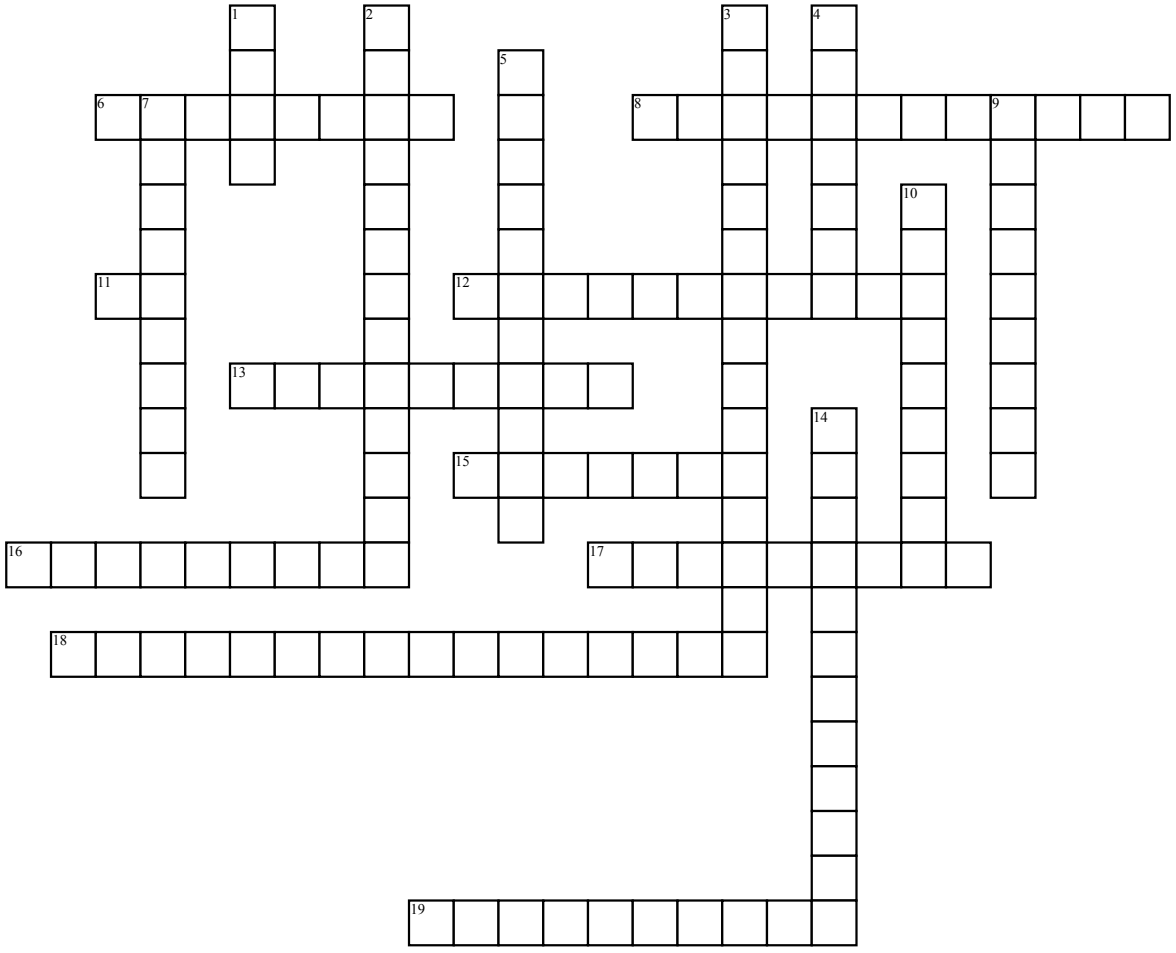
Name: _____ Date: _____

Cells & Osmosis



Across

6. a rigid layer of polysaccharides lying outside the plasma membrane of the cells of plants, fungi, and bacteria.
8. an organelle found in large numbers in most cells, in which the biochemical processes of respiration and energy production occur.
11. endoplasmic reticulum
12. the tendency toward a relatively stable equilibrium between interdependent elements, especially as maintained by physiological processes.
13. any of a number of organized or specialized structures within a living organism
15. 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
16. the protein builders or the protein synthesizers of the cell
17. the material or protoplasm within a living cell, excluding the nucleus
18. something that does not require an input of cellular energy
19. a microscopic single-celled organism that has neither a distinct nucleus with a membrane nor other specialized organelles

Down

1. the smallest structural and functional unit of an organism
2. a complex of vesicles and folded membranes within the cytoplasm of most eukaryotic cells
3. what happens when a cell uses energy to transport something
4. a dense organelle present in most eukaryotic cells
5. a plastid that contains chlorophyll and in which photosynthesis takes place.
7. an organism consisting of a cell or cells in which the genetic material is DNA in the form of chromosomes contained within a distinct nucleus
9. he intermingling of substances by the natural movement of their particles.
10. an organelle in the cytoplasm of eukaryotic cells containing degradative enzymes enclosed in a membrane.
14. the semipermeable membrane surrounding the cytoplasm

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