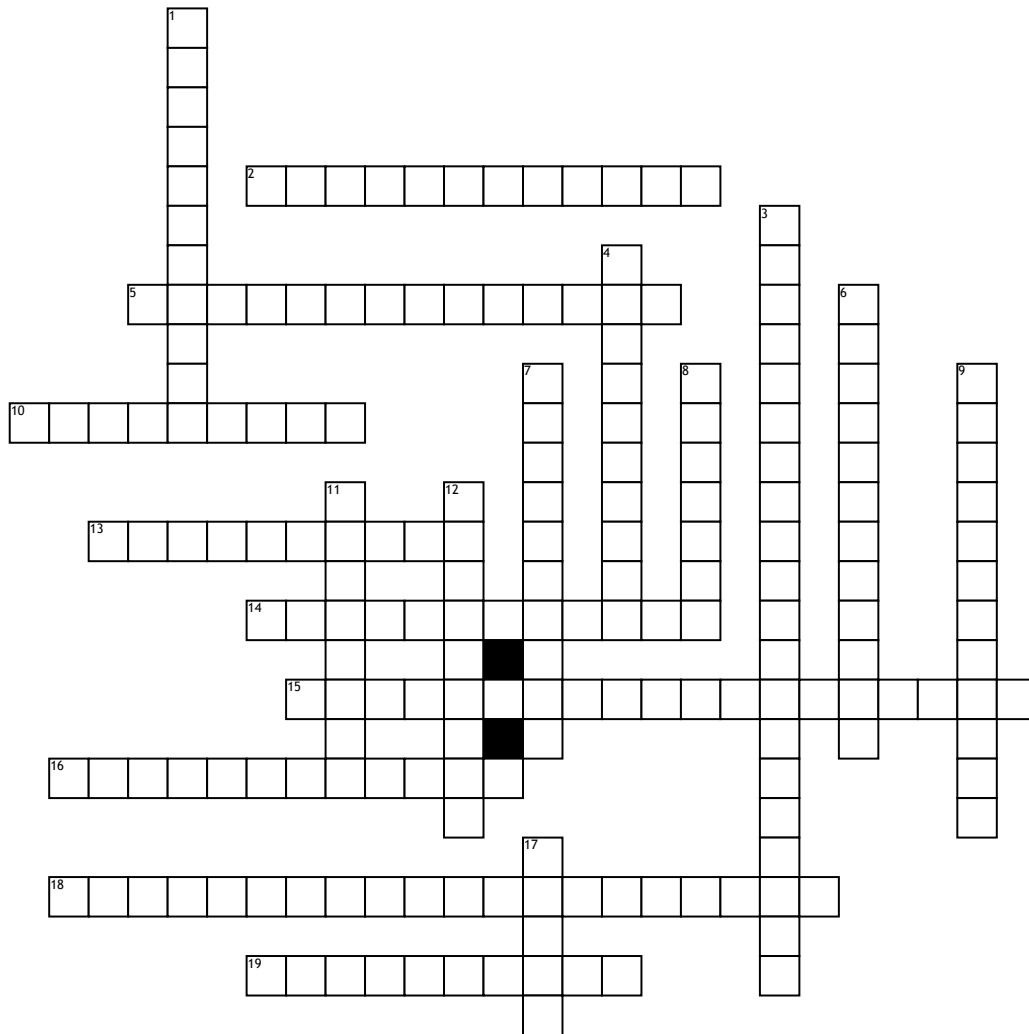


# Cells And Their Organelles



## Across

2. Regulates materials entering and leaving cell; protects and supports cell  
 5. Modifies, sorts, and packages proteins and lipids for storage or transport out of the cell  
 10. Synthesize proteins  
 13. 1. All living things are made up of cells 2. Cells are the basic units of structure and function in living things 3. New cells are produced from existing cells  
 14. Convert solar energy to chemical energy stored in food  
 15. Store materials

16. A double-layered sheet that gives cell membranes a flexible structure that forms a strong barrier between the cell and its surroundings  
 18. Means that some substrates can pass across them and others cannot  
 19. Organize cell division

## Down

1. Cells that do NOT enclose DNA in nuclei  
 3. Assembles proteins and lipids  
 4. Cells that enclose their DNA in nuclei  
 6. Convert chemical energy in food to usable compounds

7. Means "little organs"

8. A large membrane-enclosed structure that contains genetic material in the form of DNA and controls many of the cell's activities  
 9. Maintains cell shape; moves cell parts; helps cells move  
 11. Shapes, supports, and protects the cell  
 12. Break down and recycle macromolecules  
 17. Basic units of life

## Word Bank

Mitochondria  
 Organelles  
 Lysosomes  
 Lipid bilayer  
 Cell theory

Cell membrane  
 Vacuoles and vesicles  
 Endoplasmic reticulum  
 Cell wall  
 Golgi apparatus

Chloroplasts  
 Prokaryotes  
 Centrioles  
 Selectively permeable  
 Ribosomes

Nucleus  
 Cytoskeleton  
 Cells  
 Eukaryotes