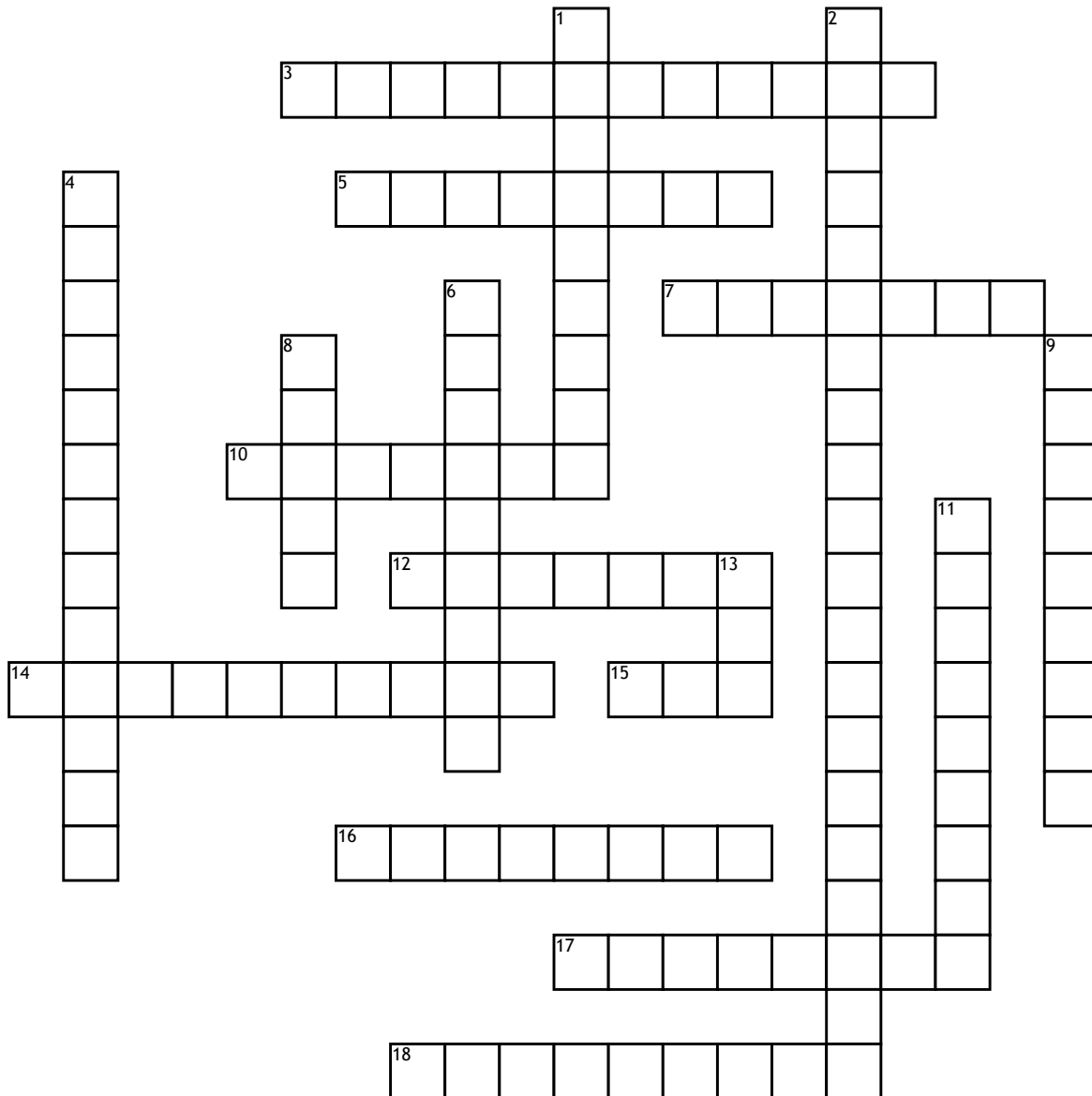


Cell Structures & Functions



Across

3. separates the interior of all cells from the outside environment
 5. Does not contain ribosomes: is smoother
 7. The brain of the cell
 10. a simple sugar; an important energy source in living organisms
 12. Contains ribosomes on it
 14. organized or specialized structures within a living cell
 15. Deoxyribonucleic acid

16. lies outside the plasma membrane of the cells of plants, fungi, and bacteria
 17. hold materials and wastes
 18. jellylike material that makes up much of a cell inside the cell membrane

Down

1. only in animal cells; typically located together near the nucleus in the centrosome
 2. functions as a manufacturing and packaging system

4. This is where cellular respiration takes place
 6. involved in digestion and waste removal
 8. acts to process and package the macromolecules such as proteins and lipids
 9. packages DNA into a small volume to fit into the nucleus of a cell and protects the DNA structure and sequence
 11. makes protein
 13. Ribonucleic acid