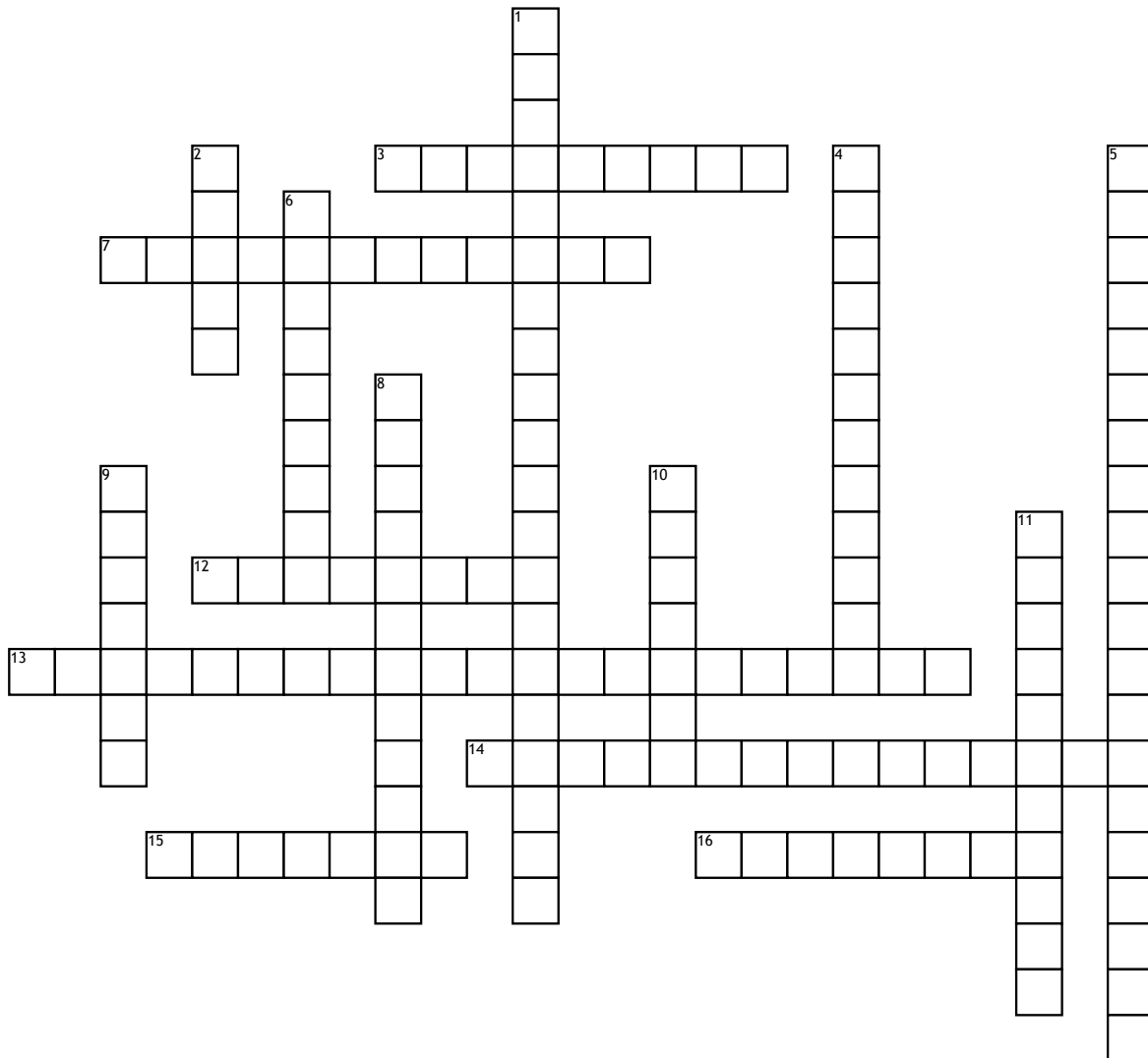


Ultrastructure of cells



Across

3. formed by cell organelles, excluding the nucleus, and the cytosol
7. organelle that packages material into vesicles for export from a cell
12. a sac which destroys bacteria
13. compound that is the common source of chemical energy for cells
14. membrane surrounding the nucleus of a eukaryote cell
15. fluid contents only of a eukaryotic cell

16. semi-rigid structure located outside the plasma membrane in cells of plants, algae, fungi and bacteria

Down

1. system of membrane-bound channels that transport substances within the cell
2. whip-like structures formed by extensions of the plasma membrane involved in movement
4. organelles that are the major site of ATP production
5. nucleic acid that contains coded genetic instructions

6. organelle containing RNA, major site of protein production
8. network of filaments within a cell
9. membrane bound organelle containing genetic information
10. structures within plant cells that are filled with fluid containing materials
11. chlorophyll-containing organelle that occurs in the cytosol of cells of specific plant tissues