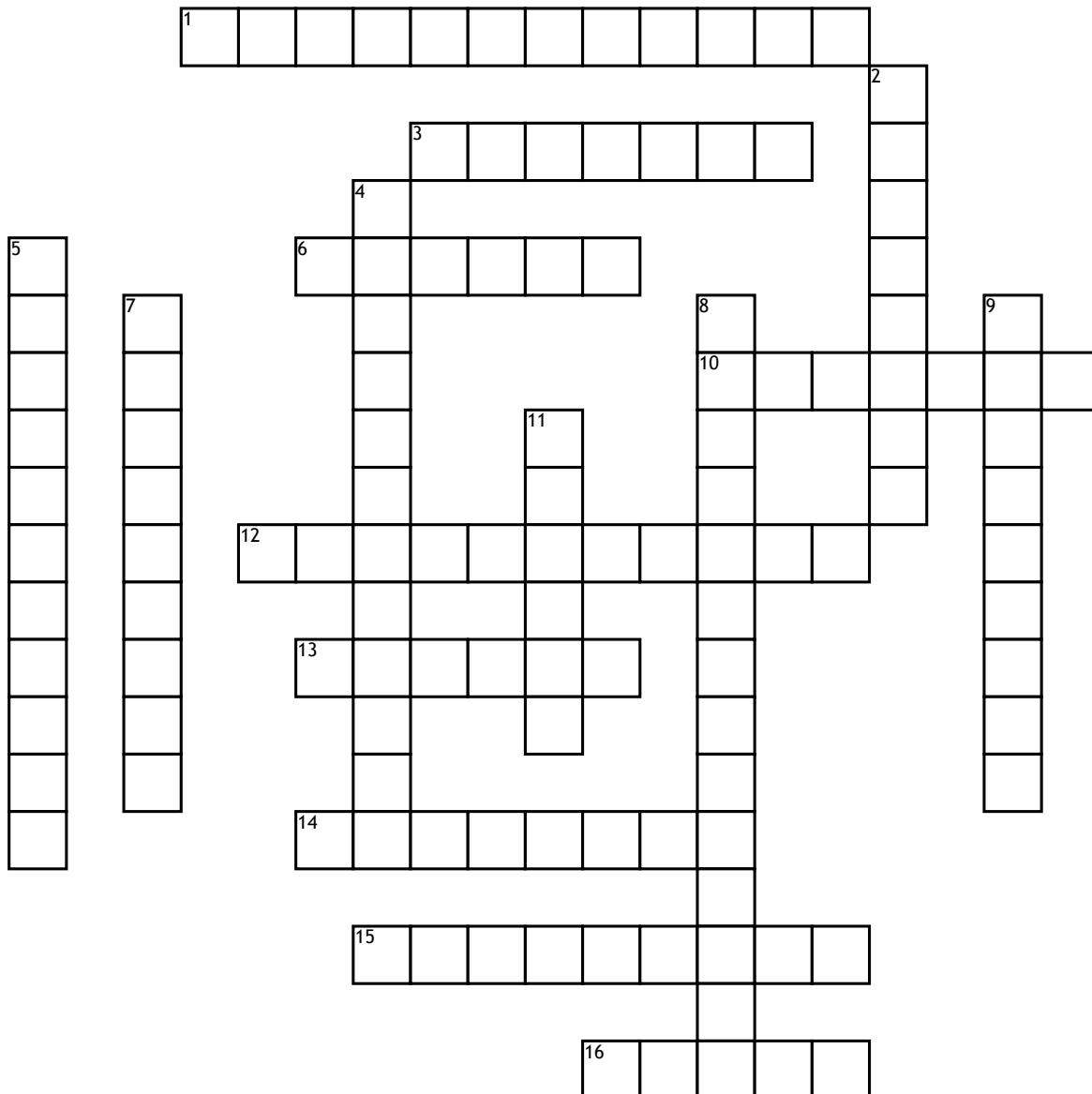


# Science Crossword



## Across

1. a wave that vibrates at right angles, perpendicular, to the direction the wave travels  
 3. a large oval structure that acts like the cells control center  
 6. the material through which a wave travels  
 10. the diffusion of of water molecules across a selectively permeable membrane  
 12. an area where the coils are close together

13. a low point on a transverse wave  
 14. a rigid layer that surrounds the cells of plants and some other organisms  
 15. \_\_\_\_\_ fills the region between the cell membrane and the nucleus  
 16. a high point on a transverse wave

## Down

2. the scientific study of how organisms are classified  
 4. controls which substances pass in and out of the cell

5. an area where the coils are spread out  
 7. the maximum distance the wave vibrates from the rest position  
 8. a \_\_\_\_\_ vibrates the medium in the same direction in which the wave travels  
 9. is the process by which molecules move from an area of higher concentration to an area of lower concentration  
 11. the ability to do work