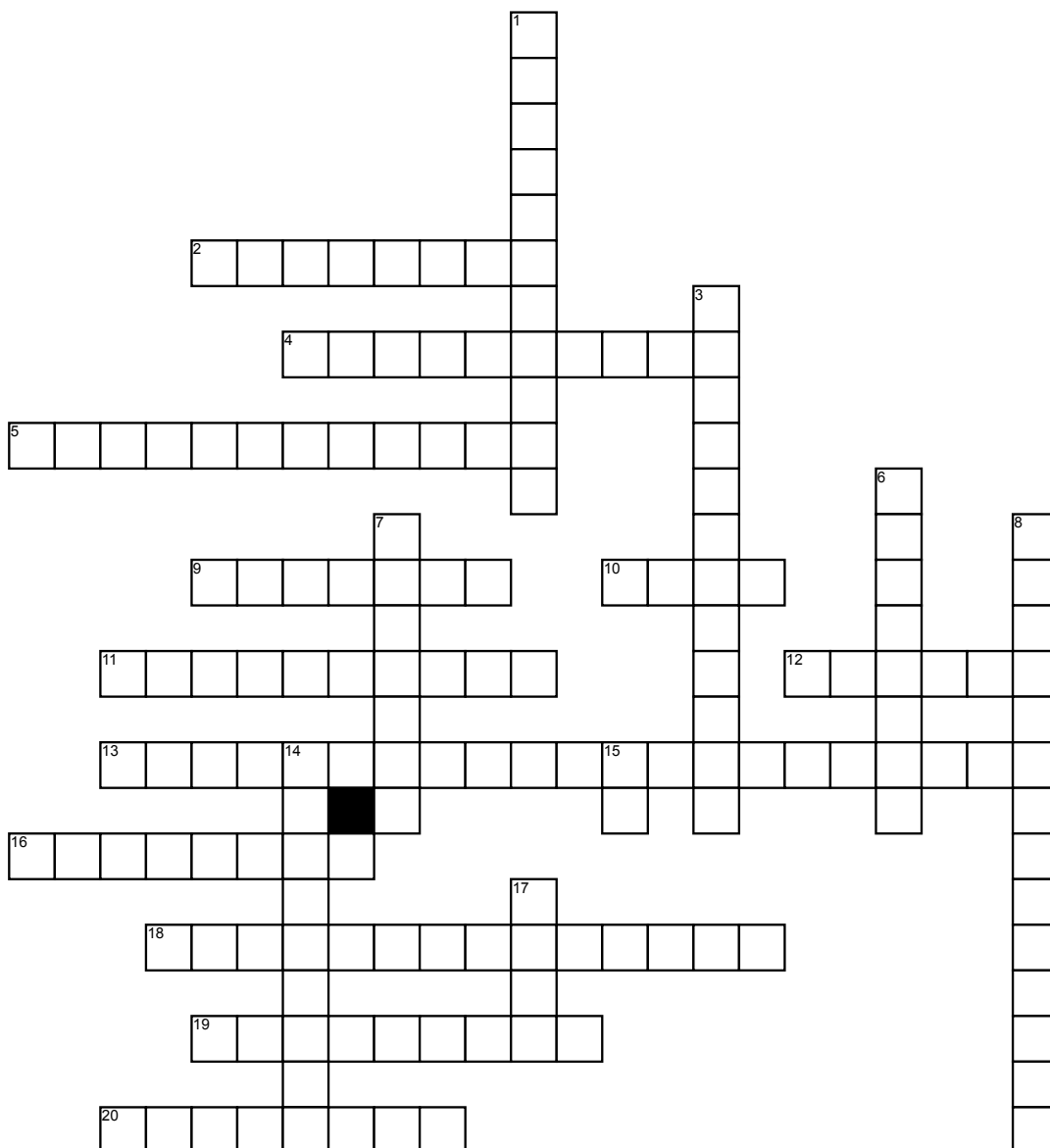


# Chemistry



## **Across**

2. The combination of a solvent and a solute  
 4. Amount of a substance that dissolves in a given quantity of solvent at specified conditions  
 5. To be separated  
 9. Dissolving medium in a solution  
 10. Having a pH value of less than 7.  
 11. To separate or change into ions  
 12. Dissolved particles in a solution  
 13. Properties that depend only on the number of solute particles and not on their identity

16. Mixture whose size of particles are between those in a suspension and true solution  
 18. Measurement of the amount of solute that is dissolved in a given quantity of solvent  
 19. Solution containing the maximum amount of solute for a given amount of solvent  
 20. Concentration of solute in a solution measured in moles of solute per liter of solution

## **Down**

1. Mixture whose size of particles are large enough to settle out  
 3. The hydrogen ion bonded to a molecule of water,  $\text{H}_3\text{O}^+$ , the form in which hydrogen ions are found in aqueous solution  
 6. Concentration of solute in a solution measured in moles of solute per kilogram of solvent  
 7. Having a pH of 7  
 8. Solution which contains more solute than it can theoretically hold  
 14. An instrument that indicates a substance  
 15. Scale of 0 to 14, where less than 7 represents acidity, 7 neutrality, and more than 7 is base  
 17. Having a pH value of more than 7