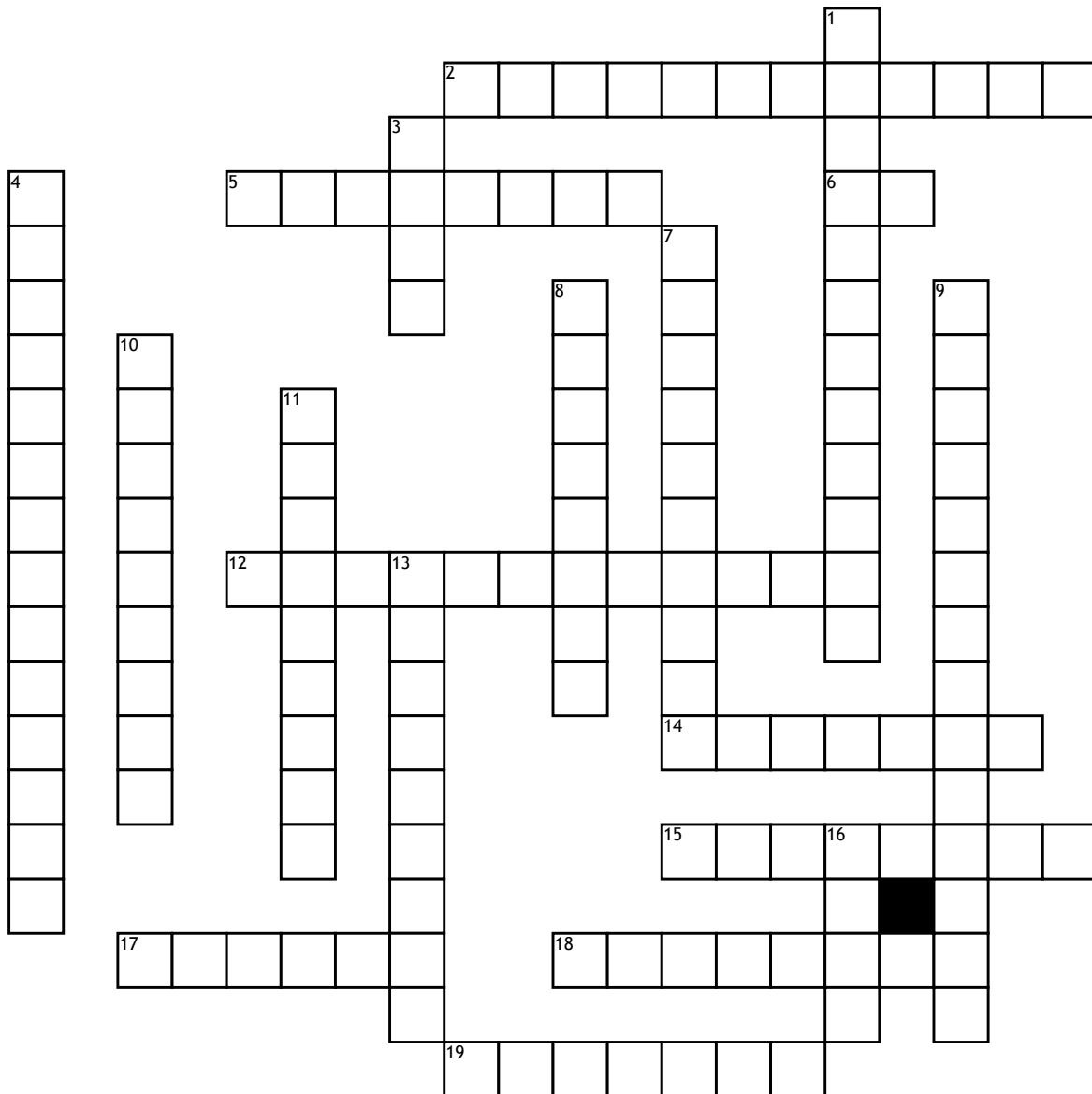


# Chemistry Crossword



**Across**

- 2. The ion  $H_3O^+$ , consisting of a protonated water molecule and present in all aqueous acids
- 5. Concentration of a solute in a solution measured in moles of solute per kilogram of solvent
- 6. A numeric scale used to specify the acidity or basicity of an aqueous solution
- 12. The splitting of a molecule into smaller molecules, atoms, or ions, especially by a reversible process
- 14. A chemical with a pH of 7.0
- 15. Concentration of a solute in a solution measured in moles of solute per liter of solution
- 17. Dissolved particles in a solution
- 18. The combination of a solvent and a solute

- 19. Dissolving medium in a solution

**Down**

- 1. Mixture whose size of particles are large enough to settle out
- 3. A substance that can accept protons or more generally, donate a pair of valence electrons
- 4. A solution that contains more solute than it can theoretically hold
- 7. The formation of or separation into ions by heat, electrical discharge, radiation or chemical reaction
- 8. Mixture whose size of particles are between those in a suspension and true solutions
- 9. Amount of solute in a given amount of solution

- 10. Determining the concentration of a substance in a solution by adding it to a standard reagent until a reaction has occurred
- 11. A compound that changes color at a specific pH value or in the presence of a particular substance
- 13. Solution containing the maximum amount of solute for a given amount of solvent
- 16. A chemical substance that neutralizes alkalis, dissolves some metals, and turns litmus red; typically, a corrosive or sour-tasting liquid of this kind