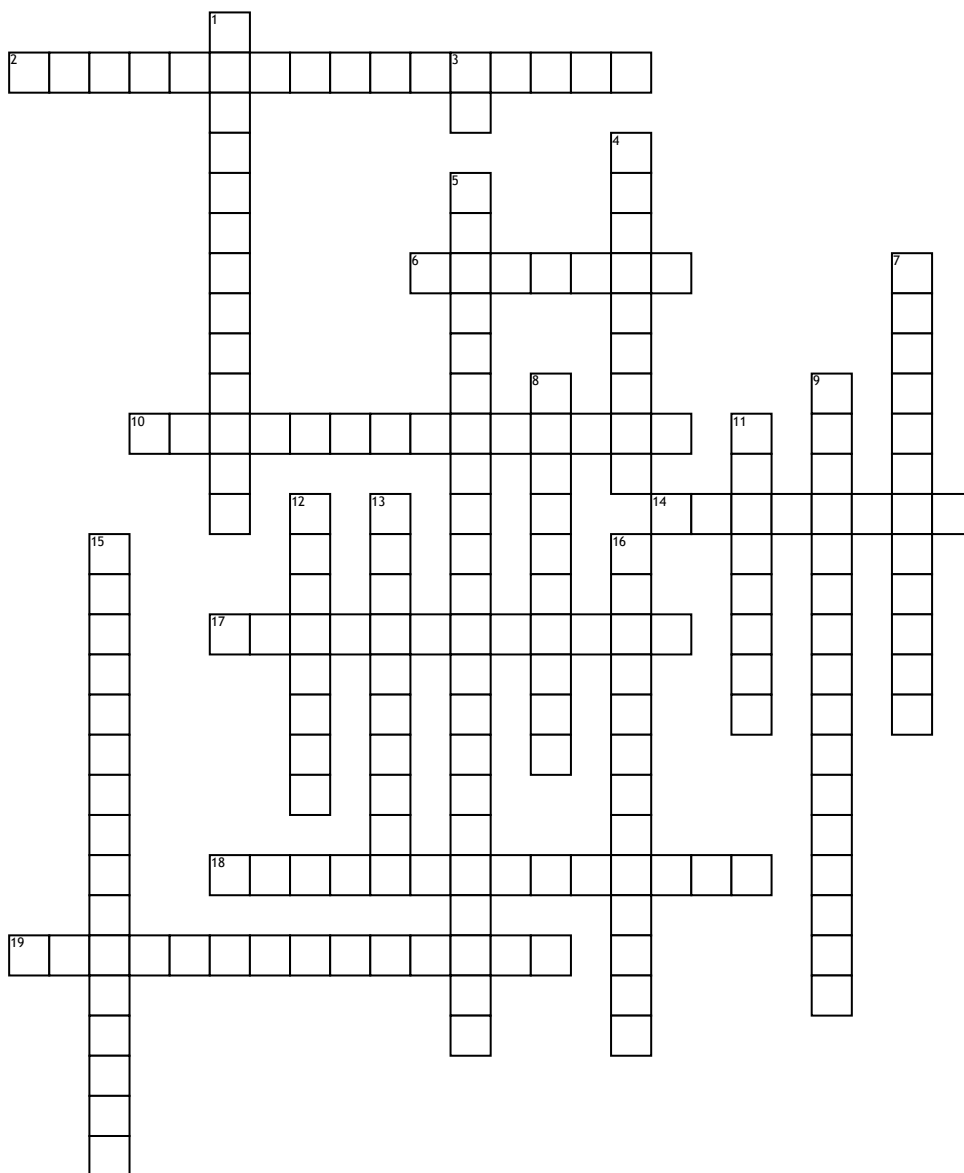


Chemistry Vocab



Across

2. the point in a titration where the amount of titrant added is enough to completely neutralize the analyte solution
6. a solution that can resist pH change upon the addition of an acidic or basic components
10. any solution that has a higher concentration of hydrogen ions than water
14. an acid that partially dissociates into its ions in an aqueous solution or water
17. an acid that can donate two proton or hydrogen atom per molecule to an aqueous solution
18. the moles of an acid or base necessary to change the pH of a solution by 1, divided by the pH change and the volume of buffer in liters

19. The process by which a water molecule donates a proton to a neighboring water molecule, yielding hydronium and hydroxide ions

Down

1. an aqueous solution containing more OH-ions than H+ ions
3. a scale used to specify how acidic or basic (or alkaline) a water-based solution is
4. a method of quantitative chemical analysis to determine the concentration of an identified analyte
5. when an acid and a base react to form water and a salt and involves the combination of H+ ions and OH- ions to generate water
7. (H₃O⁺)

8. an acid that is completely dissociated or ionized in an aqueous solution
9. a mixture of base solids dissolved in water
11. a chemical base that does not ionize fully in an aqueous solution
12. the point in a titration at which a reaction is complete
13. a base that is completely dissociated in an aqueous solution
15. a solution containing a precisely known concentration of an element or a substance
16. an acid that has three dissociable protons that undergo stepwise ionization