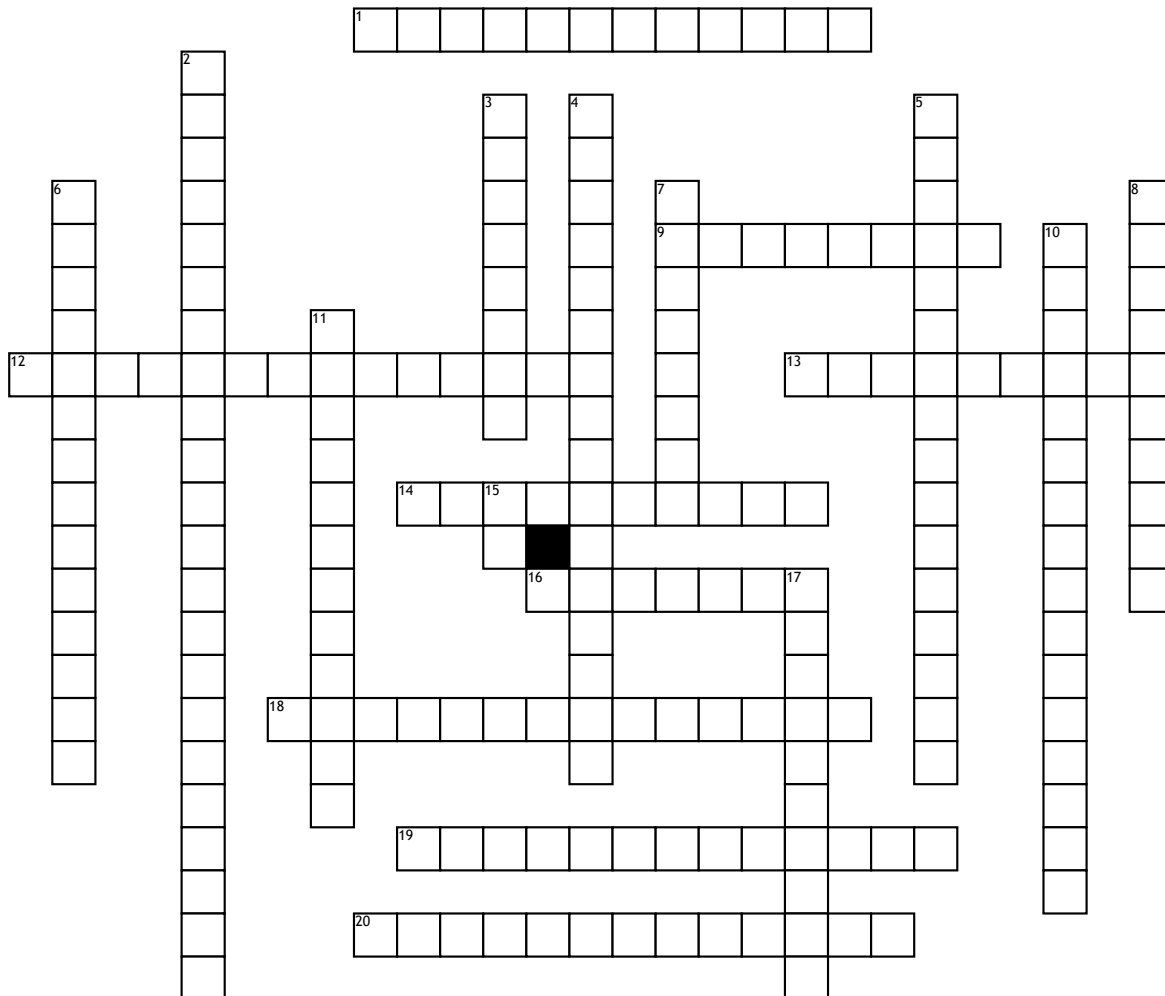


Acid/Base Vocabulary



Across

1. (H₃O⁺): consisting of a protonated water molecule and present in all aqueous acids

9. conclusion of a chemical reaction

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

13. a method or process of determining the concentration of a dissolved substance in terms of the smallest amount of reagent of known concentration required to bring about a given effect in reaction with a known volume of the test solution.

14. able to react as a base and an acid

16. a solution that resists changes in pH when acid or alkali is added to it

18. higher concentration of hydrogen ions than water

19. one that can donate three hydrogen ions per molecule during dissociation.

20. solution that has a higher concentration of hydroxide ions than hydrogen ions

Down

2. acid and base react to form salt and a combination of water

3. partially dissolves in water

4. mixture of base solids dissolved in water

5. any chemical solution which has a precisely known concentration.

6. is defined as the moles of an acid or base necessary to change the pH of a solution by 1

7. does not ionize fully within water

8. completely dissolves within water mainly; yield one hydroxide ion per molecule of base

10. a point in a chemical reaction where enough of the base is added to the acid to neutralize it

11. acid that can donate two proton or hydrogen atom per molecule to an aqueous solution

15. measure how acid/base an chemical is

17. any acid that ionizes completely in solutions; gives off great numbers of great ions