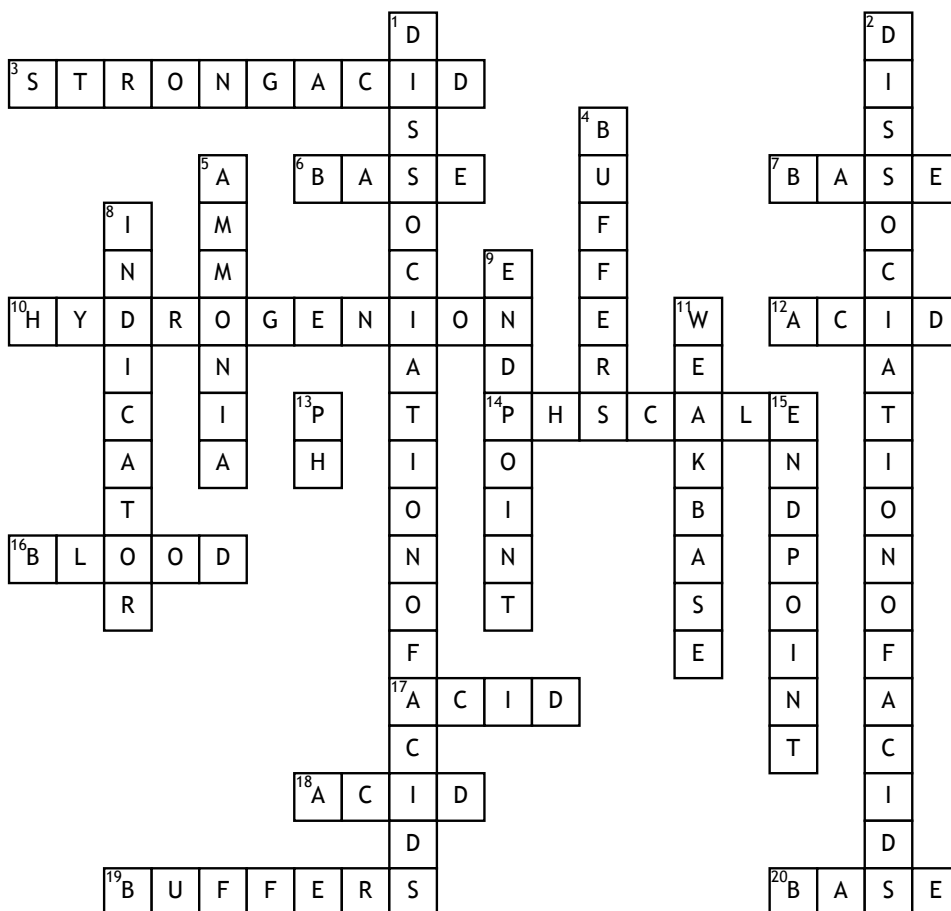


Date:

## Across

3. 100% ions in water
6. form hydroxide ions in water
7. magnesium hydroxide
10. the nucleus of a hydrogen atom separated from its accompanying electron
12. absorbic acid
14. ranges from 0 - 14, with 7.0 being neutral
16. pH of 7.0 - 7.8
17. hydrochloric acid
18. form hydronium ions in water
19. solutions containing ions that react with additional acids or bases



- ## 20. sodium hydroxide

## Down

1. when hydrogen chloride is dissolved in water, a hydronium ion and a chloride ion are produced
2.  $\text{OH}^-$  changes into a positive and negative ion
4. small compounds that enable small amounts of acids and bases to be absorbed without repercussions

- 5. base that does not contain -OH**

- 8.** substance that undergoes distinct observable change when the conditions of its solution change
- 9.** point at which equal amounts of  $\text{H}_3\text{O}^+$  and  $\text{OH}^-$  have been added
- 11.** few ions in water
- 13.** measure of the concentration of  $\text{H}_3\text{O}^+$  ions in a solution
- 15.** determined by dramatic changes in pH

