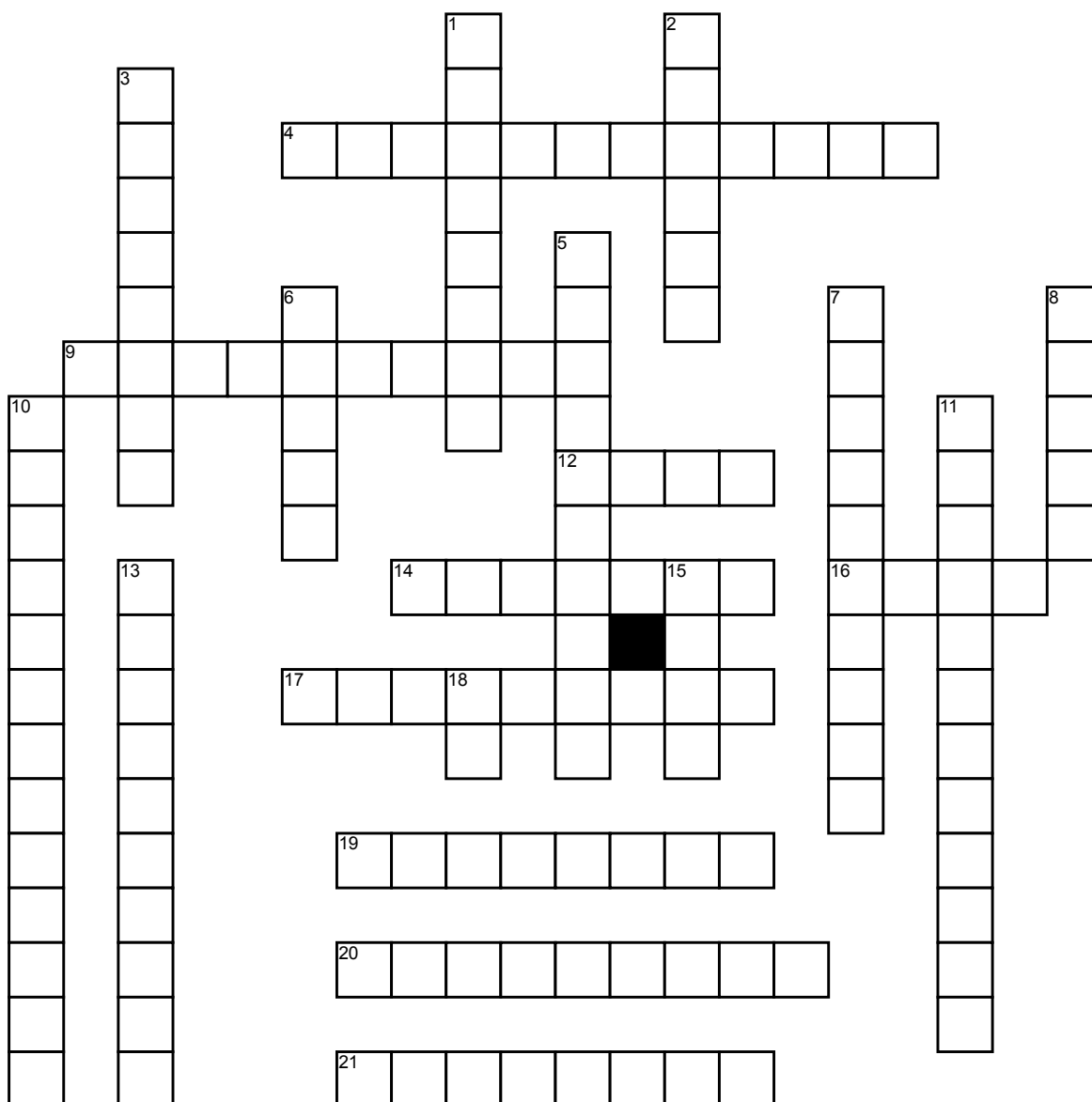


Name: \_\_\_\_\_

# Acid and Bases



## Across

4. Stomach acid (12 letters)  
 9. breaking into smaller pieces and spreading out (10 letters)  
 12. A moderately acidic pH (4 letters)  
 14.  $[H^+] = [OH^-]$  in a \_\_\_\_ solution. (7 letters)  
 16. Alkalis have a pH \_\_\_\_ than 7 (4 letters)  
 17.  $H_3PO_4$  is a \_\_\_\_ acid- has 3 H's (9 letters)  
 19. usually described as something dissolved in something else same as a homogeneous mixture, 2 or more different substances evenly mixed together. (8 letters)  
 20. any substance that changes color in the presence of an acid or base. (9 letters)

21. Carbon dioxide and water form \_\_\_\_ acid (8 letters)

## Down

1. Name of acid in soft drink (8 letters)  
 2. substance that gets dissolved by the solvent (6 letters)  
 3. the number of moles of a solute dissolved per liter of solution. (8 letters)  
 5. lose or gain electrons (chemical change) (10 letters)  
 6. Neutral substances have this pH (5 letters)  
 7. reaction of an ion with  $H_2O$  to produce  $H^+(aq) + OH^-(aq)$  (10 letters)  
 8. Many cleaners are \_\_\_\_ solutions. (5 letters)

10. the amount of a solute dissolved in a specified amount of solution. (12 letters)  
 11. ionic compound separates into ions as it dissolves (more force to pull particles apart) (12 letters)  
 13. maximum amount of a solute that dissolves in a given amount of solvent at a constant temperature. (10 letters)  
 15. Substance that forms hydronium ions in water (Arrhenius) (4 letters)  
 18. measures how acidic or basic a solution is.. ranges from 0 - 14 (2 letters)