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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

Acids and Bases

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3  B |  |  |  |  |  |  |  | E |  | R |  | 4  H |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | A |  |  |  |  | 5  P |  |  | U |  | A |  | Y |  |  |
|  |  |  |  |  |  |  |  | 6  P |  | 7  L | I | T | M | U | S | P | A | P | E | R |  |  | T |  | I |  | D |  |  |
|  |  |  |  |  |  |  |  | H |  |  |  |  |  |  | E |  |  |  |  | O |  |  | R |  | N |  | R |  |  |
|  |  |  |  |  |  |  |  | S |  |  |  |  | 8  H |  |  |  |  |  |  | T |  |  | A |  | C |  | O |  |  |
|  |  |  |  |  |  |  |  | C |  |  |  |  | Y |  |  |  | 9  W |  |  | O |  |  | L |  | L |  | X |  |  |
|  |  |  |  |  |  | 10  W | E | A | K | 11  A | C | I | D |  |  | 12  L | E | M | O | N | J | U | I | C | E |  | I |  |  |
|  |  |  |  |  |  |  |  | L |  | C |  |  | R |  | 13  P |  | A |  |  | A |  |  | Z |  | A |  | D |  |  |
|  |  |  | 14  H |  |  |  |  | E |  | I |  |  | O |  | R |  | K |  |  | C |  |  | A |  | N |  | E |  |  |
|  |  |  | Y |  |  |  |  |  |  | D |  |  | G |  | O |  | B |  |  | C |  |  | T |  | E |  | I |  |  |
|  |  |  | D |  |  |  |  |  |  | S |  | 15  N | E | U | T | R | A | L |  | E |  |  | I |  | R |  | O |  |  |
|  |  |  | R |  |  |  |  |  |  |  |  |  | N |  | O |  | S |  |  | P |  |  | O |  |  |  | N |  |  |
|  |  |  | O |  |  |  |  | 16  S | O | L | U | T | I | O | N |  | E |  | 17  S | T | R | O | N | G | B | A | S | E |  |
|  |  |  | G |  |  |  |  |  |  |  |  |  | O |  | D |  |  |  |  | E |  |  |  |  |  |  |  |  |  |
|  | 18  P | R | E | C | I | P | I | T | A | T | I | O | N |  | O |  |  | 19  S | T | R | O | N | G | A | C | I | D |  |  |
|  |  |  | N |  |  |  |  |  |  |  |  |  | S |  | N |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 20  I | N | D | I | C | A | T | O | R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Across**  **7.** an indicator that turns red in an acidic solution  **10.** an acid with a pH of 6  **12.** an acidic solution that comes from lemons  **15.** a solution that isn't an acid or a base  **16.** a liquid mixture that could be defined as an acid or base  **17.** a base with a pH of 14  **18.** the processby which a precipitate forms  **19.** an acid with a pH of 1  **20.** chemicals that change colors when put in an acid or base to determine what it is | **Down**  **1.** the process of turning an acid more basic and a base more acidic  **2.** a basic solution used to clean drains  **3.** a substance that can accept hydrogen ions because it has a hydroxide ion  **4.** bases have these ions  **5.** since the hydroxide ion in a base can combine with a hydrogen ion, bases are often called...  **6.** a scale that determines how acidic or basic a solution is  **8.** an acid can donate these ions  **9.** a base with a pH of 8  **11.** a substance that can donate hydrogen ions  **13.** a proton is a hydrogen ion so acids are often called...  **14.** pH stands for potential.... |