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

Basic Chemistry

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|  |  |  |  |  |  |  |  | 3  C | H | E | M | I | S | T | R | Y |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  | 5  S |  |  |  |  |  |  |  |  | L |  | 6  C |  |  | I |  |  |  |  |  |  | 7  I |  |  |  |  |  |
|  |  |  | T |  |  | 8  M |  |  | 9  E |  |  | I |  | O |  |  | L |  |  |  |  |  |  | O |  |  |  |  |  |
|  |  |  | A |  | 10  C | A | T | A | L | Y | S | T |  | V |  |  | O |  |  | 11  M |  |  |  | N |  |  |  |  |  |
|  |  |  | T |  |  | T |  |  | E |  |  | E |  | A |  |  | G |  |  | O |  |  |  | I |  |  |  |  |  |
|  |  |  | E |  | 12  S | T | R | U | C | T | U | R | A | L | F | O | R | M | U | L | A |  |  | C |  |  |  |  |  |
|  |  |  | O |  |  | E |  |  | T |  |  |  |  | E |  |  | A |  |  | E |  |  |  | B |  | 13  E |  |  |  |
|  |  |  | F |  |  | R |  |  | R |  | 14  C | O | E | N | Z | Y | M | E |  | 15  C | O | M | P | O | U | N | D |  |  |
|  |  |  | M |  |  |  |  |  | O |  |  |  |  | T |  |  |  |  |  | U |  |  |  | N |  | Z |  |  |  |
|  |  |  | A |  |  |  |  |  | N |  |  |  |  | B |  |  |  |  |  | L |  |  |  | D |  | Y |  |  |  |
|  |  |  | T |  |  |  |  |  |  |  |  | 16  P | R | O | T | O | N |  |  | E |  |  |  |  |  | M |  |  |  |
|  |  |  | T |  |  |  |  |  |  |  |  |  |  | N |  |  |  |  |  |  |  |  |  |  |  | E |  |  |  |
|  |  |  | E |  |  |  |  |  | 17  P | E | R | I | O | D | I | C | T | A | B | L | E |  |  |  |  |  |  |  |  |
|  |  |  | R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 18  E | L | 19  E | M | E | 20  N | T |  |  |  |  |  | 21  N |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  | 22  C | H | E | M | I | C | A | L | F | O | R | M | U | L | A |  |  |  |
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| **Across**  **3.** The study of matter  **10.** Substances that affect the rate of a reaction but are not changed themselves. Also may start or stop a reaction from occurring.  **12.** Shows how atoms in a molecule are located and connected  **14.** Substances that enable enzymes to work properly.  **15.** Pure substances consisting of two or more atoms in each molecule  **16.** Positive particle of an atom. The number of these determines what kind of element it is  **17.** Chart of elements organized according to their atomic structure  **18.** Pure substances consisting of only one kind of atom in each molecule.  **22.** Show the number and type of atoms in a molecule | **Down**  **1.** Small amount of liquid chemicals would be measured using this metric unit.  **2.** The smallest unit of an element  **4.** The metric unit used to weigh of a bar of gold  **5.** Solid, liquid, gas  **6.** Shared electrons hold atoms together.  **7.** Donated electrons form charged particles called ions to stick together  **8.** Occupies space and has mass  **9.** Negatively charged particle outside the nucleus  **11.** A distinct group of atoms bonded together  **13.** A protein molecule or organic molecule used as a catalyst  **19.** The ability to do work  **20.** The part of the atom containing the protons and neutrons  **21.** Neutrally charged particle found in the nucleus and has mass |