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

Basic Chemistry

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|  |  |  |  |  |  |  |  | 3C |  H |  E |  M |  I |  S |  T |  R |  Y |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  L |  |  O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  I |  |  |  |  | 4K |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 5S |  |  |  |  |  |  |  |  |  L |  | 6C |  |  |  I |  |  |  |  |  |  | 7I |  |  |  |  |  |
|  |  |  |  T |  |  | 8M |  |  | 9E |  |  |  I |  |  O |  |  |  L |  |  |  |  |  |  |  O |  |  |  |  |  |
|  |  |  |  A |  | 10C |  A |  T |  A |  L |  Y |  S |  T |  |  V |  |  |  O |  |  | 11M |  |  |  |  N |  |  |  |  |  |
|  |  |  |  T |  |  |  T |  |  |  E |  |  |  E |  |  A |  |  |  G |  |  |  O |  |  |  |  I |  |  |  |  |  |
|  |  |  |  E |  | 12S |  T |  R |  U |  C |  T |  U |  R |  A |  L |  F |  O |  R |  M |  U |  L |  A |  |  |  C |  |  |  |  |  |
|  |  |  |  O |  |  |  E |  |  |  T |  |  |  |  |  E |  |  |  A |  |  |  E |  |  |  |  B |  | 13E |  |  |  |
|  |  |  |  F |  |  |  R |  |  |  R |  | 14C |  O |  E |  N |  Z |  Y |  M |  E |  | 15C |  O |  M |  P |  O |  U |  N |  D |  |  |
|  |  |  |  M |  |  |  |  |  |  O |  |  |  |  |  T |  |  |  |  |  |  U |  |  |  |  N |  |  Z |  |  |  |
|  |  |  |  A |  |  |  |  |  |  N |  |  |  |  |  B |  |  |  |  |  |  L |  |  |  |  D |  |  Y |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  | 22C |  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 |