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

Atoms, Elements , and Compounds

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|  |  |  |  | 8  T | W | O | O | R | M | O | R | E |  | 9  1 | 0 | 2 | 9 | 0 | 6 |  |  |  |  |  | M |  |  |  |  |
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|  |  |  |  |  | 12  O | N | E | H | U | N | D | R | E | D | A | 13  N | D | E | I | G | H | T | E | E | N |  |  |  |  |
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|  |  |  |  |  |  | 14  E |  |  | 15  1 | 4 | A | N | D | 2 |  |  |  |  |  |  | E |  |  |  | S |  |  |  |  |
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|  |  |  |  | 16  A | N | E | X | 17  T | R | E | M | E | R | E | A | C | T | I | O | N |  |  |  |  | R |  |  |  |  |
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|  |  |  | 18  P | A | R | T | S | O | F | A | M | E | T | A | L | 19  A | N | D | N | O | N | M | E | T | A | L |  |  |  |
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| **Across**  **4.**  What type of charge does a proton take on?  **5.** Could i combine metals and non-metals and still have a metal?  **8.** How many compund(s) make an element?  **9.** What is the atomic mass for Rhodium  **12.** How many elements are there on the periodic table?  **15.** What is the group and period of carbon?  **16.** What kind of reaction would i get if i mixed Lithium with water?  **18.** What is a metaliod?  **20.** Is Astatine a metal, metaliod, or non-metal? | **Down**  **1.** How do you calculate neutrons?  **2.** What are examples subatomic partical?  **3.** What is the name of the elemnt with the atomic mass of 257?  **6.** What is the chemical symbol for Lawrencium?  **7.** Am I a consederd made of 1 element?  **10.** If Lithium has an atomic number of 3, how many protons are there? (hint: A.P.E)  **11.** What is the symbol for neon?  **13.** Could an electron be located inside the nucleus?  **14.** Where are the electrons located? (hint: outside the nucleus)  **17.** How many subatomic particals are inside an atoms nucleus?  **19.** What makes up everything around us? |