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

ATOMIC STRUCTURE

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|  |  |  |  |  | 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  | 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | 16 |  |  |  |  |  |  |  | 17 |  |  |  |  |  |  |  |  |  |  |
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| **Across**  **1.** Sum of the protons and neutrons in the nucleus of an atom  **3.** Protons, Electrons and Neutrons are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ particles.  **5.** What are the rows in the periodic table called?  **10.** Neutrons have \_\_\_\_\_\_\_\_\_\_\_ charge.  **11.** Protons have \_\_\_\_\_\_\_\_\_\_\_ charge.  **12.** Made of electrons, protons and neutrons  **13.** Has a neutral charge and found in the nucleus  **15.** The number of protons in an atom  **16.** What are the columns in the periodic table called?  **17.** What is the last family called in the periodic table? | **Down**  **2.** An electron in an outer shell of an atom  **4.** Electrons have \_\_\_\_\_\_\_\_\_\_\_ charge.  **6.** The electons are placed on the \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_.  **7.** Has a positive charge and found in the nucleus.  **8.** The element that has an atomic number of 1  **9.** what is the first family in the periodic table called?  **14.** The center of the atom is called \_\_\_\_\_\_\_\_\_\_\_\_. |