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

ATOMIC STRUCTURE

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| 3 |  |  |  |  |  |  |  |  |  |  |  | 4 |  |  |  |  |  |  |  |
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|  |  | 5 |  |  |  |  |  |  |  | 6 |  |  |  |  |  |  | 7 |  |  |
|  | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  | 9 |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  | 11 |  |  |  |  |  |  |  |  | 12 |  |  |  |  |
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|  |  |  |  |  | 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 14 |  |  |  |  |  |  |  |
|  |  |  |  |  | 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 \_\_\_\_\_\_\_\_\_\_\_\_. |