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

Unit 2 Vocabulary

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|  |  | 6  E | L | E | C | T | R | O | N |  |  |  |  |  | T |  | I |  |  |  |  |  |  |  |  |  | P |  |  |
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|  |  |  |  |  |  |  | 9  A | T | O | M | I | C | M | A | S | S |  |  | 10  N |  |  |  |  |  | R |  | I |  |  |
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|  |  |  |  |  |  |  |  | 17  A |  | 18  N |  |  | C |  |  |  |  |  | H |  | E |  | U |  | T |  | L |  |  |
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| **Across**  **3.** Confirmed that all matter is composed of atoms  **6.** Negatively charged particle  **7.** A beam of electrons emitted from the cathode of a high-vacuum tube  **9.** The mass of an atom  **13.** Famous for his uncertainty principle  **16.** Introduced the idea of atoms  **19.** Created the first periodic table  **20.** Experiment done by Ernest Rutherford | **Down**  **1.** In a certain amount of time the element cuts in half  **2.** A version of an element that is unstable  **4.** Model made by J.J. Thomson  **5.** Discovered the electron  **8.** Discovered the proton  **10.** Created the Bohr Model  **11.** Positively charged particle  **12.** Elements that have the same number of protons but different number of neutrons  **14.** Determines the amount of protons and the placement of the element on the periodic table  **15.** The brain of an atom, holds the protons and neutrons  **17.** Smallest unit of matter  **18.** Particle with no charge |

   Atom       Atomic Mass       Atomic Number       Cathode Ray       Electron       Isotope       Neutron       Nucleus       Proton       Democritus       John Dalton       J.J. Thomson       Ernest Rutherford       Niels Bohr       Dimitri Mendeleev       Warner Heisenberg       Half-Life       Radioisotope       Gold foil experiment       Plum pudding model