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Unit 2 Vocabulary

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|  |  |  |  |  |  |  |  |  A |  |  |  |  |  |  |  |  |  L |  |  |  |  |  |  |  |  |  |  L |  |  |
|  |  |  |  |  |  |  |  |  D |  |  |  |  |  |  | 5J |  |  F |  |  |  |  |  |  |  |  |  |  U |  |  |
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|  |  | 6E |  L |  E |  C |  T |  R |  O |  N |  |  |  |  |  |  T |  |  I |  |  |  |  |  |  |  |  |  |  P |  |  |
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|  |  |  |  |  |  |  | 9A |  T |  O |  M |  I |  C |  M |  A |  S |  S |  |  | 10N |  |  |  |  |  |  R |  |  I |  |  |
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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