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Atomic Theory

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| **Across****9.** discovered the electron and developed the plum pudding model**10.** said that an element is any substance that cannot be decomposed into a simpler substance**11.** the name of Millikan's experiment**12.** subatomic particle with a neutral charge**14.** name of Ruherford's atom model**16.** first proposed the idea of the atom**18.** name of Schrodinger's model **20.** used Gold foil experiment to discover protons and the nucleus | **Down****1.** orbits in patterns are called \_\_\_\_\_\_\_\_**2.** thought only four elements existed**3.** suggested that orbits are not always circular but in patterns called orbitals**4.** tool used to discover the electron**5.** subatomic particle that has a positive charge**6.** proposed the \_\_\_\_\_\_\_\_\_\_ Uncertainty Principle**7.** discovered charge and mass of electron**8.** subatomic particle that has a negative charge**13.** protons and neutrons are contained in the \_\_\_\_\_\_\_\_\_ **15.** the element used in Rutherford's experiment**17.** discovered the neutron**19.** means indivisible in Greek |