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Structure of an ATOM

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| **Across**  **2.** The smallest unit of an element that maintains its properties.  **6.** Two or more elements held together by physical forces  **8.** What diagram shows how many valence electrons an element has ?  **9.** Elements combined chemically in a fixed ratio  **11.** The core of an atom, consisting of the protons and neutrons.  **12.** Last name of the scientist who discovered structure of an atom. | **Down**  **1.** Number of protons/ Number of electrons  **3.** The maximum number of electrons in the second and third shell  **4.** Number of protons + Number of neutrons =  **5.** Two or more atoms held together by chemical bonds and act as a unit  **7.** What in the nucleus carries a positive charge?  **10.** Negatively charged particles that revolve around the nucleus. |