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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. |