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Elements and the periodic table

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| **Across**  **3.** the first element on the periodic table  **7.** The 14th element on the periodic table  **10.** What lithium and helium make when combined  **12.** The number of protons in the nucleus  **13.** A material that has shininess, conductivity, magnetism, malleability, and ductility  **14.** Atoms with the same number of protons, but different number of neutrons  **16.** An element intermediate in properties of a metal and non metal  **18.** What hydrogen and helium would make, if combined  **19.** A particle with no charge  **20.** Made up of atoms, and defined nthe number of protons in the nucleus | **Down**  **1.** the 8th element on the periodic table  **2.** Not discovered in nature, but artificially produced isotopes  **4.** Electrons in the outermost shell of an atom that are used for chemical bonds  **5.** A particle with a positive charge  **6.** An element that lacks the characteristics of a metal  **8.** Ability to transfer heat or electricity  **9.** Ability to be hammered into shapes  **11.** Ability to be pulled into wires  **15.** A particle with a negtive charge  **17.** The number of protons and neutrons in an atom |