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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 |