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Physical Science

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| **Across**  **2.** any of the gaseous elements helium, neon, argon, krypton, xenon, and radon, occupying Group 0 (18) of the periodic table  **4.** a solid material that is typically hard, shiny, malleable, fusible, and ductile, with good electrical and thermal conductivity  **7.** an element or substance that is not a metal.  **9.** the law that the properties of the elements are periodic functions of their atomic numbers. 2. Also called Mendeleev's law  **11.** A Time period (denoted by 'T' ) is the time needed for one complete cycle of vibration to pass in a given point.  **12.** any of the elements fluorine, chlorine, bromine, iodine, and astatine, occupying group VIIA (17) of the periodic table. | **Down**  **1.** ny of the elements beryllium, magnesium, calcium, strontium, barium, and radium, occupying Group IIA (2) of the periodic table.  **3.** any of the set of metallic elements occupying a central block (Groups IVB–VIII, IB, and IIB, or 4–12) in the periodic table  **5.**  solid substance that has a conductivity between that of an insulator and that of most metals  **6.** hey are very reactive, electropositive, monovalent metals forming strongly alkaline hydroxides.  **8.** The control group is defined as the group in an experiment or study that does not receive treatment by the researchers  **10.** an atom or molecule with a net electric charge due to the loss or gain of one or more electrons. |