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Periodic Table And Atoms

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| **Across**  **2.** The electrons in the outermost energy level of Niels Bohr's model of an atom  **3.** Chemical Reactions that absorb energy  **4.** The positively charged central part of an atom  **8.** A positively charged particles that make up a nucleus  **14.** A chart of elements arranged into rows and columns based on their chemical and physical properties  **15.** A substance that is made of two or more elements chemically joined in a specific combination  **16.** An atom no longer neutrally charged because it has lost electrons  **17.** A group located on the left side of the Periodic Table that is a good conductor and shine when polished  **18.** A chemical reaction that releases heat of light energy  **19.** A substance that speeds up chemical reactions  **20.** Pure substances that cannot be broken down into any simpler substances  **23.** An area around an atomic nucleus where an electron is most likely to be found  **24.** The number of protons in an atom of an element  **25.** The sum of the number of protons and neutrons in an atom  **26.** An object that has low electrical resistance and can allow electricity to flow easily  **27.** Atoms of the same element that have different numbers of neutrons | **Down**  **1.** A bond formed when two atoms share valence electrons  **5.** An attraction that holds ions close together  **6.** A particle with a single negative charge  **7.** Horizontal rows on a Periodic Table  **9.** The speed at which a reaction occurs  **10.** The average mass of an element's isotopes  **11.** Elements in the middle of the Periodic Table and are semiconductors.They also have properties that are similar to both metals and nonmetals  **12.** An object that has higher electrical resistance and prevents electricity easily through a material  **13.** Another group located on the right side of the Periodic Table that are insulators and are not shiny  **21.** A nuetral particle in the nucleus of an atom  **22.** Vertical columns on the periodic table |