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Chemistry Review

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| **Across****2.** A pure substance that contains two or more different elements.**5.** Rows in the periodic table.**7.** A subatomic particle found in the nucleus of an atom. It has no charge.**8.** Substances that react together in a chemical reaction.**15.** A compound that forms between a metal and a non-metal after electrons are transferred. **17.** A substance that changes colour when added to an acid or a base.**20.** A negatively charged subatomic particle that orbits the nucleus of an atom.**21.** A pure substance that cannot be broken down.**23.** A system for organizing elements into columns and rows based on their properties. (2words)**25.** Columns in the periodic table.**26.** A reaction in which one compound breaks down into two or more simpler compounds.**27.** A reaction in which one element takes the place of another element in a compound. (2words)**29.** A reaction in which the metal ions of two different compounds exchange places. (2words)**30.** A change in matter that produces new substances with new properties. (2words) | **Down****1.** Elements on the right side of the periodic table. They are not malleable, not conductive, and exist in a number of states at room temperature.**3.** A compound that forms between non-metals as they share electrons.**4.** Elements on the left side of the periodic table. They are malleable, shiny, conductive, and solid at room temperature.**6.** A positively charged subatomic particle found in the nucleus of the atom.**9.** A reaction between an acid and a base that produces salt and water.**10.** Law describing the fact that the total mass and number of atoms is the same before and after a reaction. (3words)**11.** A reaction in which two or more reactants combine to produce a new product.**12.** A compound that tastes sour, corrodes metal and tissue, and turns blue litmus paper red.**13.** A group of letters and subscript numbers that represent the make-up of a chemical compound. (2words)**14.** Ability to conduct (transfer) electricity.**16.** A compound that tastes bitter, feels slippery, corrodes tissue, and turns red litmus paper blue.**18.** The smallest unit of an element.**19.** The number in front of a product or reactant in a balanced chemical equation.**22.** Refers to either the outer orbital of an atom or the electrons found in the outer shell.**24.** An atom that has an electrical charge, either positive or negative.**28.** New substances produced in a chemical reaction. |