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Chemical Reactions

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| **Across****9.** The new substances that are formed in a chemical reaction.**10.** A condition in which different elements are equal or in the correct proportions. There are three types of visual balance: symmetry, asymmetry, and radial.**12.** A chemical reaction that occurs when a substance reacts with oxygen, releasing energy in the form of heat and light combustion reaction A chemical reaction in which two or more reactants combine to produce a single product.**13.** The starting materials in a chemical reaction.**14.** Energy is released.**15.** A substance that initiates or accelerates a chemical reaction without itself being affected.**16.** A solid that forms from a solution during a chemical reaction.**17.** Tells how many atoms of an element are contained in one molecule or formula unit.**18.** A reaction in which a gas, a solid precipitate, or a molecular compound forms from the exchange of ions between two compounds. | **Down****1.** A chemical reaction that occurs when a substance reacts with oxygen, releasing energy in the form of heat and light.**2.** Chemical reaction in which one element replaces another element in a compound.**3.** Energy is absorbed**4.** A reaction in which a single compound breaks down to form two or more simpler substances.**5.** Tells how many atoms, molecules, or formula units take part in a reaction.**6.** Any process in which electrons are added to an atom or ion.**7.** A process during which chemical bonds between atoms are broken and new ones are formed. Producing one or more different substances.**8.** A chemical change in which a substance combines with oxygen, as when iron oxidizes, forming rust.**11.** A representation of a chemical reaction that uses symbols to show the relationship between the reactants and the products. |