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Chemistry Vocab

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| **Across****3.** shows the materials's ability to react with another substance**7.**  the positive subatomic particle in the nucleus which determines its atomic number and along with the neutron determines the atomic mass**10.**  one of a class of substances that cannot be separated into simpler substances by chemical means.**12.**  the columns of the periodic table; they are grouped by similar chemical and physical properties**15.**  shows the material's ability to be drawn into a thin wire**16.**  a group of elements consisting of properties of metals and nonmetals and are located on the diagonal line**17.**  A usually irreversible change that changes the arrangement of the atoms in the chemical composition that involves a formation of a new substance.**19.**  the particle in the surrounding cloud of the nucleus having a negative charge and is 1000 times smaller than a proton**20.**  the rows of the periodic table; they go in an ascending order with the atomic number**21.**  the particle in the nucleus of the atom which has the biggest mass and no charge which determines the atomic mass with the proton**22.**  the most reactive metal group located at the leftmost of the the periodic table.**23.**  a property or characteristic of a substance that is observed during a reaction in which the chemical composition or identity of the substance is changed**24.**  a property of a substance of matter that can be observed without changing the chemical composition of the substance. | **Down****1.**  the charge of an electron**2.**  a set of elements which are organized on a table according to the atomic number, electron configuration, and physical/chemical properties**4.**  an atom that is either mostly negatively charged or mostly positively charged**5.**  any of the group of bivalent metals including barium, radium, strontium, calcium, and, usually, magnesium, the hydroxides of which are alkali's but less soluble than those of the alkali metals.**6.**  the mostly nonreactive group which are at the rightmost of the periodic table**8.**  anything that has mass and takes up space**9.**  A usually reversible change in the physical properties of a substance.**11.**  the charge of a proton**13.**  show the material's ability to be molded into a different shape**14.** What is the smallest particle of an element consisting the same chemical properties of the element**18.**  shows the materials's ability to catch fire |