Matter vocabulary crossword puzzle

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| **Across**  **3.** property of a substance that do not depend on the amount of the substance present  **4.** related to the description of something in non numerical terms  **15.** a mixture with a uniform composition  **16.** the quantity of mass per unit volume  **17.** a heterogeneous mixture containing particles large enough to settle  **18.** related to the description of something in numerical terms  **20.** a state of matter where the shape is constant and rigid, where the volume is constant, and where the particles vibrate in a fixed position  **22.** the amount of matter in a oblect  **23.** a homogeneous aqueous mixture  **24.** a homogeneous mixture in which the paricles are indefinitly suspended in the medium which may be a gas, a liquid, or a solid  **27.** the effect that occurs when light is scattered through a colloid, causing the light beam light beam to become visible as it travels through the mixture  **28.** a state of matter that has no fixed shape or structure, such as a liquid or gas  **29.** one of the primary substances that make up matter and cannot be chemically broken sown or converted into other substances; defined by the atomic number | **Down**  **1.** the physical and chemical characteristics of a substances or element  **2.** properties of a substance that are dependent on the amount of a substance present  **5.** properties that include all of the possible chemical changes that a sample of matter can go through  **6.** properties that describe matter including color, feel ,smell, boiling point, melting point, and density  **7.** a mixture with a non uniform composition in which the individual components are distinct and visible  **8.** the process by which a sample of matter changes from a gasous state to a liquid state  **9.** the smallest unit of an element that has all the properties of that element containing a nucleus within an electron cloud  **10.** a state of matter where the shape and volume are variable and dependent on the shape of the closed container and where the particles are completely independent of an alter  **11.** a change that occurs when a new substance is created with different properties; observable as a color change, the production of a gas or a precipitate, or the realease of heat or light  **12.** a change that does not change the chemical identity of a substance, such as changes of phase, temperature, shape or concentration  **13.** a substance compsed of multiple elements combined in fixed proportions  **14.** elements or compounds that can only be seperated or combined to make substances with new properties by means of chemical reaction  **19.** the mass of a single atom  **21.** the gaseuous of a sample of matter that would other wise be a liquid or gas at room temperature  **25.** a state of matter where the shape is variable and dependent on the shape of the container, the volume is constant, and the particles move independently within the substance  **26.** anything that has volume or mass |