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 |