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states of matter

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| **Across**  **2.** water that collcets droplets on a cold surface when humid air is in contact with it  **4.** ideal gas kept at a fixed tempeture,pressure and volume  **10.** air like substance that expands feely  **14.** make or become solid by being cooled  **16.** system absorbs energy from its surrounding  **17.** having a consistency of that like water  **18.** process of a substance in a liquid state changing to a gasous state  **20.** releases energy in the form of (usually but not always heat  **21.** when anything solid turns into a gas without first becoming liquid | **Down**  **1.** without clearly defined shape or form  **3.** is a phase transition from the liquid phase to vapor  **5.** solid,liquid,gas,and plasma are  **6.** the degree or intensity of heat present in a substance or object  **7.** make or become liquified by heat  **8.** volume of given mass of gas at constant pressure  **9.** film of a liquid caused by the attraction of particles in the surface layer by the bulk of the liquid which tends to minimize surface area  **11.** electrons wander around freely among nuclei of the atoms  **12.** the action of bringing a liquid to the temperature at which it bubbles and turns to vapor  **13.** matter can change from one state to another if heated or cooled  **15.** being thick,sticky, and semi fluid in consistency due to internal friction  **19.** firm and stable in shape |