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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  |