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Properties of Matter

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| **Across****2.** space and object takes up**6.** do not react with other substances**8.** definite volume but no definite shape**11.** matter in an object**12.** hot mixture of ions and electrons**14.** when a substance dissolves in another**16.** transfer of thermal energy by the motion of fluids**18.** substances that change or react**20.** describes how easily a substance reacts with another | **Down****1.** when two or more substances are combined and changed into new substances with new properties**3.** features of all matter that can be observed and measured without changing the chemical composition of the solution**4.** describes whether or not a substance will burn**5.** another name for chemical changes**7.** transfer of thermal energy by electromagnetic waves**9.** a measure of the average kinetic energy of the particles in an object**10.** neither a definite shape or definite volume**13.** substance that dissolves**15.** substance in which the solute dissolves**17.** new substances produced**19.** definite shape and volume |