Matter/Physical/Chemical Changes

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| **Across**  **2.** the ablility of a substance to be rolled and pounded into various shapes  **8.**  is a measure of the gravitational force on an object  **10.** measure of how well an electric current can move through a substance  **12.** substance has a definite volume and shape  **14.** mass is not created or destroyed but is only transformed into different substances  **16.**  anything that has mass and takes up space  **17.**  the rate at which a substance transfers heat  **19.** is a change that affects onr or more physical properties of a substance | **Down**  **1.** temperature at which a substance changes from a liquid to a gas  **3.**  a measure of the amount of matter in a given volume  **4.** property that describes a substance's ability to participate in chemical reactions  **5.** substance has a definite volume but not a definite shape  **6.** temperature at which a substance changes from a solid to a liquid  **7.**  the ablilty of a substance to dissolve in another substance  **9.** occurs when one or more substances change into entirely new substances with different properties  **11.**  characteristic of a substance that does not involve a chemical change, such as density, hardness and color  **13.** does not have a definite volume or shape  **15.**  describes the amount of matter in an object  **18.** amount of space that an object takes up or occupies |