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 |