Matter/Physical/Chemical Changes

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|  |  |  | 9  C |  | 10  E | L | E | C | T | R | I | C | A | L | C | O | N | D | U | C | T | I | V | I | T | Y |  |  |  |
|  |  |  | H |  |  |  |  |  | Y |  | D |  |  |  | A |  |  |  | B |  |  | N |  | N |  |  | 11  P |  |  |
|  |  |  | E |  |  |  |  |  |  |  |  |  | 12  S | O | L | I | D |  | I |  |  | G |  | T |  |  | H |  |  |
|  |  |  | M |  |  | 13  G |  |  |  |  |  |  |  |  | P |  |  |  | L |  |  | P |  |  |  |  | Y |  |  |
|  |  |  | I |  | 14  L | A | W | O | F | C | O | N | S | E | R | V | A | T | I | O | N | O | F | 15  M | A | S | S |  |  |
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|  |  | 17  T | H | E | R | M | A | L | C | O | N | D | U | C | T | I | 18  V | I | T | Y |  |  |  |  |  |  | P |  |  |
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|  |  |  |  | 19  P | H | Y | S | I | C | A | L | C | H | A | N | G | E |  |  |  |  |  |  |  |  |  | R |  |  |
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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 |