Matter Crossword Puzzle

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|  |  |  |  |  |  |  |  | 6  R |  |  |  |  |  |  |  | M |  | D |  | A |  |  | N |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 7  G | A | S |  |  |  |  |  |  | O |  | U |  | G |  |  | S |  |  |  |  |  |  |
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|  |  |  |  | 10  P | H | Y | S | I | C | A | L | P | R | O | P | E | R | T | I | E | S |  | R |  |  |  |  |  |  |
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|  |  |  | 11  W | E | I | G | H | T |  | 12  M | I | X | T | U | R | E |  | O |  | I |  | 13  M | A | S | S |  |  |  |  |
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|  |  | 19  C | H | E | M | I | C | A | L | P | R | O | P | E | R | T | Y |  |  | L |  |  | M |  |  |  |  |  |  |
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| **Across**  **2.** When a solid turns into a gas  **7.** Particles collide very often  **10.** Features of all matter that can be observed and measured without changing the chemical composition of the substance.  **11.** The amount of mass in something.  **12.** Matter that can vary in composition  **13.** The amount of matter in an object.  **15.** The amount of mass per unit of volume.  **16.** Particles are very close together.  **17.** Has definite volume but no definite shape.  **19.** The property of a substance that is observed during a chemical change.  **20.** A type of mixture in which the substances are not evenly mixed | **Down**  **1.** Matter cannot be created or destroyed however matter can change forms, says this law.  **3.** The transfer of thermal energy through particles of matter that are in direct contact.  **4.** A type of mixture in which the substances are evenly mixed.  **5.** capable of being attracted by or acquiring the properties of a magnet  **6.** The transfer of thermal energy by electromagnetic waves.  **8.** Something that can flow freely and mix together easily.  **9.** The amount of space something takes up.  **14.** The transfer of thermal energy by the motion of fluids.  **18.** A mixture of hot ions and electrons |