Matter Crossword Puzzle

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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 |