Unit 10 Vocab

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| **Across**  **4.** the energy that is transferred from a warmer object to a cooler object  **6.** has a definite volume but no shape of its own  **7.** has neither a definite shape nor a definite volume  **8.** materials that do not conduct heat well  **9.** the scientific principle that energy is neither lost nor created  **10.** a stream of fluid propelled by thermal convection  **14.** a type of heat transfer that occurs through the movement of fluids, which can be solid, liquid, or gas  **15.** a material that conducts heat well  **16.** a measure of the average kinetic energy of the particles in a substance  **17.** energy which a body possesses by virtue of being in motion | **Down**  **1.** the expanding of matter when it is heated  **2.** the energy possessed by a body by virtue of its position relative to others, stresses within itslef, electric charge, and other factors  **3.** the transfer of energy by electromagnetic waves  **5.** the amount of energy required to raise the temperature of 1 kilogram of a material by 1 kelvin  **11.** the total kinetic and potential energy of all the particles in an object  **12.** the transfer of heat from one particle of matter to another within an object or between two objects that are in direct contact  **13.** has a definite shape and definite volume |