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Energy Transformations Crossword Puzzle

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|  |  |  | 10 |  |  |  |  |  |  |  | 11 |  |  |  |  |  |  |  |  |
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| **Across**  **2.** This heat is generated by the movement of tiny particles within an object  **5.** the sum of kinetic and potential energy in an object that is used to do work  **8.** Wavelengths of Vibrations  **10.** Relating to the nucleus of an atom  **11.** The natural agent that stimulates sight and makes things visible  **12.** A point or object from which light or heat radiates, especially a heating element in an electric or gas heater | **Down**  **1.** Released from a substance, that substance is transformed into an entirely new substance  **3.** The quality of being hot; high-temperature  **4.** ability to do work or apply force to move an object  **6.** The energy possessed by a body by virtue of its position relative to others, stresses within itself, electric charge, and other factors  **7.** Power derived from the utilization of physical or chemical resources, especially to provide light and heat or to work machines  **9.** the energy which a body possesses by virtue of being in motion |

   Potential       Kinetic       Electrical       Mechanical       Sound       Thermal       Chemical       Energy       Heat       Light       Nuclear       Radiant