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Jai'Dera McCluney physics word search

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| **Across**  **3.** is the sum of potential energy and kinetic energy  **5.** any device for converting mechanical energy into electrical energy by electromagnetic induction  **9.** a state in which opposing forces or influences are balanced.  **12.** the region of space surrounding a body in which another body experiences a force of gravitational attraction  **14.** an object or type of material that allows the flow of an electrical current in one or more directions.  **15.** energy which is created due to an objects motion. | **Down**  **1.** the degree to which a substance or device opposes the passage of an electric current  **2.** a soft metal core made into a magnet by the passage of electric current through a coil surrounding it.  **4.** a soft metal core made into a magnet by the passage of electric current through a coil surrounding it.  **6.** a body's relative mass or the quantity of matter contained by it  **7.** the alternate rising and falling of the sea, usually twice in each lunar day at a particular place, due to the attraction of the moon and sun.  **8.** electric potential energy per unit charge  **10.**  an invisible barrier of exerted strength  **11.** the quantity of matter in a body regardless of its volume or of any forces acting on it.  **13.** involve rotating coils of wire which are driven by the magnetic force exerted by a magnetic field on an electric current |