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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 |