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Electricity Vocab

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| **Across**  **2.** Electric charges exert a force on each other at a distance through an electric field that exists around every electric charge  **4.** A circuit that has more than one path for the electric to follow  **5.** The rate at which electrical energy is converted into other forms of energy  **11.** The source of electrical energy, which is the flow of electric charge  **13.** Materials that contain electrons that can move more easily in the material  **14.**  Is a circuit that has only one path for the electric current to follow  **15.** An imbalance or electric charge on an object | **Down**  **1.** Is when all objects exert electric force on each other  **3.** A rapid movement of excess charge from one place to another  **6.** The measure of how difficult it is for electrons to flow through a material  **7.** Georg Simon Ohm found a simple relationship among voltage, current and resistance in a circuit known as the Ohm Law  **8.** This is a measurement of how much electrical potential energy each electron can gain in a battery  **9.** A material in which electrons can not move easily from one place to another  **10.** The closed conducting loop that allows electric charges to flow continuously through  **12.** A positively or negatively charged atom |