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Chapter 8: Energy from Electron Transfer

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| **Across****1.** a process in which a chemical species looses electrons **3.** these vehicles use rechargeable batteries for short daily commutes **5.** a process in which a chemical species gains electrons **8.** materials that have a limited capacity of conducting an electric current**10.** rate of electron flow**11.** vehicles propelled by a combination of conventional gasoline engine and an electric motor run by batteries**13.** oxidation takes place here**14.** produced by the movement of electrons through an external circut**15.** a system for the direct conversion of chemical energy to electrical energy | **Down****2.** electrical conductors within a cell that serve as sites for chemical reactions **4.** substance that conducts electric current as a result of a dissociation into positively and negatively charged particles called ions,**6.** found in all atoms, a stable subatomic particle with a charge of negative electricity**7.** a process of intentionally adding small amounts of other elements **9.** where reduction takes place**12.** measured in units called volts |