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Cellular Energy

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| **Across**  **2.** What is the energy captured from light by chlorophyll and pigments drives the production of ATP called?  **6.** What compound consists of a adenosine molecule bonded to three phosphate groups?  **8.** The chemical element of atomic number 8  **13.** What is the supporting framework or a cell?  **14.** What is an organism deriving its nutritional requirements from complex organic substances?  **15.** Relating to a chemical reaction that requires the absorption of energy  **16.** What membrane is responsible for the absorption of light energy for photosynthesis? | **Down**  **1.** the set of chemical reactions that take place in chloroplasts during photosynthesis  **3.** What is the process where plants turn sunlight to synthesize food from CO2 and Water?  **4.** one of the things absorbed by plants in photosynthesis  **5.** What is an organism that is able to form nutritional organic substances from simple inorganic substances?  **7.** What is the natural coloring matter of animal or plant tissue called?  **9.** an important energy source in living organisms  **10.** What membrane the chlorophyll in cyanobacteria and in the chloroplasts of plant cells?  **11.** the basis of the fluids of living organisms  **12.** What is the reduced form of NADP+ called? |