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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? |