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Photosynthesis and Cellular Respiration

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| **Across****2.** Organisms that their energy by eating other organisms are called \_\_\_\_\_\_\_\_\_\_.**7.** During cellular respiration, sugar and oxygen combine to yield carbon dioxide, water, and most importantly\_\_\_\_\_\_\_\_\_\_.**8.** What is the process of breaking down food that yields energy for organisms is called ?**10.** The breakdown of glucose by enzymes, releasing energy and pyruvic acid is called what? | **Down****1.** The \_\_\_\_\_\_\_\_\_\_\_\_\_ takes place in the mitochondria, consuming oxygen, producing carbon dioxide and water as waste products, and converting ADP to energy-rich ATP.**3.** What is the process that plants use to make food for themselves?**4.** A \_\_\_\_\_\_is an organism that makes it's own food.**5.** During photosynthesis, plants use carbon dioxide, water, and solar energy to make carbohydrates and \_\_\_\_\_\_\_\_\_\_\_\_\_.**6.** What chemical makes the leaves green?**9.** \_\_\_\_\_\_\_\_\_\_ has three phosphate groups while ADP has two. |