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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. |