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Photosynthesis

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| **Across**  **5.** Where the light independent reactions take place  **8.** Splitting of water  **9.** Five carbon molecule that is carboxylated in the light independent stages  **12.** Gaining electrons  **13.** Loss of electrons  **15.** Electrons are received and are used to reduce the electron carrier  **16.** Enzyme essential for the light independent reaction  **17.** Where the light dependent reactions take place  **18.** Stack of thylakoids  **20.** Converting inorganic carbon to organic carbon | **Down**  **1.** carbon dioxide fixation with ribulose bisphosphate  **2.** Light independent stage of photosynthesis  **3.** Rate of photosynthesis of all wavelengths  **4.** A graph showing the absorption of light by photsynthetic pigments  **6.** Protons move through this specialized channel to create th energy molecule.  **7.** First photo activated area in light dependent reactions  **10.** Where protons accumulate in the light dependent stages  **11.** Considered a waste product of photosynthesis  **14.** Product of photsynthesis  **19.** The electron carrier in photosynthesis not produced in cyclic photophosphorylation |