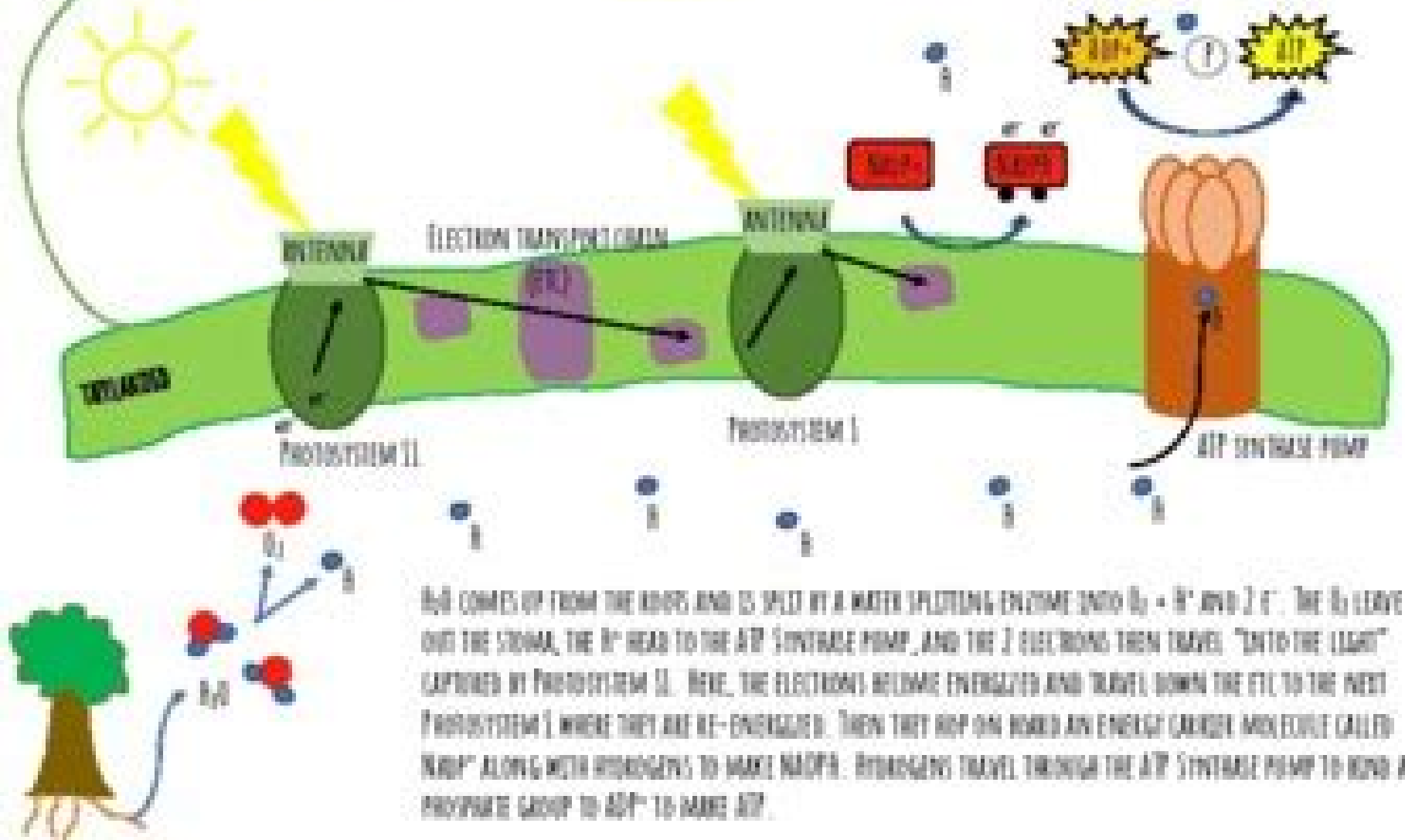


PHOTOSYNTHESIS

THE LIGHT REACTIONS



HEAD TO THE DARK REACTIONS



H_2O COMES UP FROM THE ROOTS AND IS SPLIT BY A WATER SPLITTING ENZYME INTO $O_2 + H^+$ AND $2 e^-$. THE O_2 LEAVE OUT THE STROMA, THE H^+ HEAD TO THE ATP SYNTHASE PUMP, AND THE 2 ELECTRONS THEN TRAVEL "INTO THE LIGHT" CAPTURED BY PHOTOSYSTEM II. HERE, THE ELECTRONS RELEASE ENERGY AND TRAVEL DOWN THE ETC TO THE NEXT PHOTOSYSTEM I WHERE THEY ARE RE-ENERGIZED. THEN THEY RIDE ON BOARD AN ENERGY CARRIER MOLECULE CALLED NADP+ ALONG WITH HYDROGENS TO MAKE NADPH. HYDROGENS TRAVEL THROUGH THE ATP SYNTHASE PUMP TO BIND A PHOSPHATE GROUP TO ADP+ TO MAKE ATP.

Light Reactions Modern Biology Study Guide

Katrin Zwirgmaier



Light Reactions Modern Biology Study Guide:

Light Reactions Modern Biology Study Guide Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has are more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Light Reactions Modern Biology Study Guide**," published by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we shall delve into the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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