

Download Active Guide Photosynthesis

37. Using figure 10.19 in your text as a guide, explain the three key events - indicated by the arrows below - in the C₃ pathway. Chlorophyll is a key molecule for photosynthesis, though other carotenoid pigments also participate. There are four (4) types of chlorophyll: a, b, c, and d. Although we normally think of plants as having chlorophyll and performing photosynthesis, many microorganisms use this molecule, including some prokaryotic cells. In plants, chlorophyll is found in a special structure, which is called a chloroplast.

Chapter 10: Photosynthesis This chapter is as challenging as the one you just finished on cellular respiration. However, conceptually it will be a little easier because the concepts learned in Chapter 9—namely, chemiosmosis and an electron transport system—will play a central role in photosynthesis.

1. Photosynthesis and Cellular Respiration Study Guide . All vocab ¼ point each = 6 points. Energy for Life . Vocabulary to know: ATP energy-carrying molecule that cells use to power their metabolic processes. Autotroph/ Producer organism that makes its own food Cellular Respiration process in which cells break down glucose and make ATP for energy Energy ability to do work Glucose. simple ...