

Mastering Photosynthesis¹

Grade Level: Introductory Biology Course, University Level

Time Frame: 1-2 hour

Overview	The purpose of this lesson is to ensure students fully understand the process of photosynthesis and that they have mastered the concept. This will be done through the students' use of Inspiration software, or PowerPoint if Inspiration is not available, to create a web that describes the process of photosynthesis using pictures and their own words.
Objectives	<p>Following this lesson, students will have:</p> <ul style="list-style-type: none"> ▪ Discussed the process of photosynthesis ▪ Summarized photosynthesis in their own words ▪ Created a web that summarizes the process using pictures and their own explanations
Materials	<ul style="list-style-type: none"> ▪ Computers (one for each student) with Internet connection ▪ Inspiration software or PowerPoint
Procedure	<ol style="list-style-type: none"> 1. Go over the process of photosynthesis in great detail. Show pictures and diagrams of the process so that students can visually see the explanation. 2. Keep students interested by having them ask questions and describe the process in their own words. 3. Create a group discussion about photosynthesis and what the students know about it from their high school courses. 4. Allow students to work in groups of 2-3 and show a simple example of the project they will be doing. 5. Go to the computer lab and have students find pictures that will help describe the process of photosynthesis. 6. Ask students to access Picjuice through www.picjuice.com and upload the pictures to edit them to help serve them better. 7. Make sure students understand what they are to be doing and assign the finished summary web or powerpoint as homework. 8. In the next class period, have each student present project in front of the class so that everyone can see different outlooks on the process of photosynthesis to create better understanding.
Evaluation	Homework and Class Presentation

¹ Adapted from <http://www.lessonplanspage.com/ScienceCIKidspirationPhotosynthesisSummaryWeb79.htm>