

**Step 3:** Read the articles that were found in the media about this research. Think about how they compare to the original source. Do you think that all the claims in the news reports are correct?

**Step 4. Write a summary paragraph.**

Write a paragraph that summarizes the journal article you have just completed the graphic organizer for.

Use the following success criteria to guide your summary writing work.

- There is an introduction, body, and conclusion
- Most important facts/ ideas are included
- The summary is written in my own words
- Facts are organized in a logical order
- There is a reflection to the information in the summary - a reflection about what study means for society. What is the impact of this study?

**Submit your work**

When complete, submit your summary paragraph.

### Table 1: Research Organizer

Identify the purpose of a research study from a research journal	
Restate the findings of a study from a research journal	
Interpret and summarize the steps and procedure conducted by researchers from a research journal	
Analyze conclusions in a journal article to determine if they are sensible and logical	
Analyze a journal article and summarize the important findings	
Evaluate a journal article and determine if it is a strong or weak study, providing evidence of your reasoning.	

**Step 3:** Read the articles that were found in the media about this research. Think about how they

## Journal review

**Step 1:** Review the journal (scholarly article) first and create a vocabulary list or glossary of terms that are new to you, or that have been learned in this course. You can research the words to find the meaning, but the definition should be in your own words and simplified so that it makes sense to you. Include 15 words.

**Step 2:** Read the journal article again, slowly and complete table 1 below. There may be parts you cannot understand, and that is ok. Reading scientific journals is difficult for those in university too. This is why you are practicing this skill now. You will need to work through it slowly.

### Table 1: Research Organizer

Identify the purpose of a research study from a research journal	
Restate the findings of a study from a research journal	
Interpret and summarize the steps and procedure conducted by researchers from a research journal	

**Modifying photosynthesis processes**  
(suggested sources – you may also choose to find your own)

Primary source (Scholarly Journal)

Journal PDF:

<http://science.sciencemag.org/content/sci/363/6422/eaat9077.full.pdf>

Synthetic glycolate metabolism pathways stimulate crop growth and productivity in the field

Source: <http://science.sciencemag.org/content/363/6422/eaat9077>

Secondary sources (Non-scholarly)

<https://www.cbc.ca/radio/quirks/feb-23-2019-tiny-tyrannosaur-art-acne-what-zebra-stripes-do-and-more-1.5028231/hacking-photosynthesis-to-re-engineer-crop-plants-and-feed-the-world-1.5028260>

<https://www.nbcnews.com/mach/science/plant-scientists-have-found-way-hack-photosynthesis-here-s-why-ncna956706>

Journal review

# Assessment for feedback

## Final Project Preparation: Part B

Throughout this course you will have the opportunity to build knowledge and skills related to the final project and submit work for feedback but not a grade to help you prepare for the final project. At this point you will complete the second part of the preparation for your final project. You will submit this for feedback.

To prepare you for the the final project you will be required to perform research on the topic of modifying photosynthesis processes to help with crop growth. In your research, your goal is to find one primary source (scholarly journal) that addresses modifying photosynthetic processes and one secondary source (non-scholarly) that addresses in some way the research from the scholarly journal to help put the research in context. Follow the instructions below to complete this and then submit your work for feedback.

If you like you may choose to use the following for your primary and secondary sources, but you are welcome to perform your own research and find your own primary and secondary sources.

Journal information