

You have two options for this assignment. They are listed below. You must cite a minimum of 5 sources, but 3 of them can be the two resources listed below and the video we watched in class. I don't care about the format of the sources, just listing links is fine.

1. You can write a short essay describing the evidence for eukaryotes having arisen as a result of endosymbiosis. It should include scientific evidence supporting the claim that both mitochondria and chloroplasts have prokaryotic origins. It should be approximately between 15 and 20 sentences total. An example of a format outline is shown below. Don't forget to cite 5 sources.

Introduction	Define endosymbiosis and make a claim about eukaryotes having endosymbiotic origins. Where did mitochondria and chloroplasts come from?
Evidence paragraph	Explain how mitochondria and chloroplasts show evidence of endosymbiosis
Conclusion	Wrap up evidence and claim

2. A video. You may make a 3-5 minute video detailing the same information as would be included in the essay. You may use any format you like as long as you can upload it to Google Classroom. It should follow much the same format as the essay option and should include scientific evidence supporting your claims. Don't forget to cite 5 sources even if you make a video. You can cite sources on the sheet attached to the assignment on Google Classroom.

Here are a few sources to get you started. They can count as 2 of the 5 you need.

<https://ib.bioninja.com.au/standard-level/topic-1-cell-biology/15-the-origin-of-cells/endosymbiosis.html>

[https://evolution.berkeley.edu/evolibrary/article/0\\_0/endosymbiosis\\_04](https://evolution.berkeley.edu/evolibrary/article/0_0/endosymbiosis_04)