## References:

Rantamaki, S., Meriluoto, J., Spoof, L., Puputti, E.-M., Tyystjarvi, T., & Tyystjarvi, E. (2016). Oxygen produced by cyanobacteria simulated Archaean conditions partly oxidizes ferrous iron but mostly escapes-conclusions about early evolution. *Photosynthesis Research*, *130*(1-3), 103+. Retrieved from https://link-gale-com.db16.linccweb.org/apps/doc/A470700950/AONE? u=lincclin mdcc&sid=AONE&xid=1722ec6a

NASA Earth Observations . (2020). These maps show net primary productivity, which is how much carbon dioxide vegetation takes in during photosynthesis of land vs sea. Retrieved from https://earthobservatory.nasa.gov/global-maps/MOD17A2\_M\_PSN/MY1DMM\_CHLORA

Sapp, J. (2005). Microbial Phylogeny and Evolution: Concepts and Controversies. Oxford University Press.

Than, K. (2007, April 10). Early Earth Was Purple, Study Suggests. Retrieved March 13, 2020, from <a href="https://www.livescience.com/1398-early-earth-purple-study-suggests.html">https://www.livescience.com/1398-early-earth-purple-study-suggests.html</a>
Photosynthesis. (2020, April 13). Retrieved from <a href="https://www.encyclopedia.com/plants-and-animals/botany/botany-general/photosynthesis">https://www.encyclopedia.com/plants-and-animals/botany/botany-general/photosynthesis</a>

Chan, C. X. & Bhattacharya, D. (2010) The Origin of Plastids. Nature Education 3(9):84

Minjung Son, Alberta Pinnola, Samuel C. Gordon, Roberto Bassi, Gabriela S. Schlau-Cohen. Observation of dissipative chlorophyll-to-carotenoid energy transfer in light-harvesting complex II in membrane nanodiscs. Nature Communications, 2020; 11 (1) DOI: 10.1038/s41467-020-15074-6.

Blankenship, R. E. (2010, October 1). Early Evolution of Photosynthesis. Retrieved from http://www.plantphysiol.org/content/154/2/434