

The Effect of the Wavelength of Light on the Growth Rate of Cyanobacteria and Its Survival in a Martian Atmosphere

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The purpose of this experiment was to test in what wavelength the cyanobacteria *Cylindrospermum* (Substitute for *Chroococcidiopsis*) grows best and whether these wavelengths had an effect on the survival rate of cyanobacteria in a Martian atmosphere. The Martian atmosphere aspect was introduced because of a NASA statement that mentioned that *Chroococcidiopsis* could be important in the colonization of Mars.

Awards Won:

University of Arizona: Tuition Scholarship Award

NASA: Second Award of \$750