Hi Alli,

Here are some more specific experiment ideas. Please give me some suggestions on how to make them better.

Our experiment is the effect of salinity variation on algae. We believe that if you add more salinity then there will be a greater amount of oxygen produced. If we change the variation of the salinity then we may be able to find the optimum salinity level for algae production.

Another possibility is to test the effects of different colored lights on green algae. If algae is exposed to 3 different lights such as red, green and white then the oxygen level can be recorded to find the preferred color of light.

If we add a supplemental amount of carbon dioxide to the algae then the algae will grow faster in microgravity.

I want a good experiment, but I want a very simple one too. Also I am concerned how do I keep the algae alive for the travel time to the launch?

Thanks for all of your help. Have a great week!!

Susan