1. Identify the tasks that you have completed since the beginning of the project. Please be descriptive:
   1. Made a project plan, stayed on top of updated dates
   2. Researched Microbial Fuel Cells: Anode (Zinc), Cathode (Either copper or copper plated material), specific bacteria needed (*Shewanella putrefaciens* or *Aeromonas hydrophila*)
   3. Emailed multiple companies and a professor to get assistance and help when needed
   4. Made design drafts of the plant microbial fuel cell
   5. Made the parts in Fusion 360
   6. Obtained the container
   7. Narrowed bacteria to 2 types. Decided upon the anode and cathode material, not size
   8. Decided which type of plant to use/where to get plant
2. Identify any tasks that you have had to ADD to your project plan that you had not anticipated for the project at the beginning. Give details when describing these new tasks. Make sure that they are also added to your plan.
   1. Obtain a container: I at first wanted to make my container out of plexiglass, but then with the help of Mr. Holt, realized that it would be more efficient to just buy a pre-constructed container.
      1. I had to change the dates around because this was my first step.
      2. The drawings and fusion work is then modeled off of this rather than the other way around
   2. I also made the components of each task more in depth.
      1. Instead of saying that I had to create drawings, I said the dimensions and for what components the drawings were for.
   3. I also added descriptions to the tools and materials for the project to help myself and the reader understand what I need to do and how it will be accomplished.
3. Identify any tasks that you have not completed on time - these are tasks that you had planned to have completed by this date, but were unable to complete. ALSO, please describe WHY you were not able to complete these tasks:
   1. Because I had to rearrange my project plan due to procedural flaws and continuous editing, the dates got shifted back a few days.

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| Task | Planned Date Of Completion | What happened? | New Projected Date Of Completion |
| Have the container for the fuel cell | December 1st | Because I decided to buy this instead of manufacture it, this became the first step rather than the third.  Also, because I had to buy it, make the drawings, complete the Fusion work, and then cut and edit the container, this became two tasks rather than a single task. | Buy container: November 6th  Have container finished and ready to be used: December 9th |
| Create Drawings | October 29th | Due to the rearrangement of tasks and the time it took to create a final project plan, this date was bumped back. I finished two classes earlier than the later completion date. | November 13th |
| Use Fusion | November 6th | Due to the rearrangement of tasks and the time it took to create a final project plan, this date was bumped back. | November 19th |
| Put gravel, soil and similar materials in the container | December 9th | Due to the rearrangement of tasks and the time it took to create a final project plan, this date was shifted back. | December 17th |

1. Are there any new problems/issues that you are having with your project that need to be addressed by the Academy staff? Please give details.
   1. No problems