

Hunter Kea

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Professor Trevas

Individual Analysis Revisit

The item that I was given to analyze was fish that the team could use for the aquarium setup. In the last report the team decided on African Cichlids since their waste is excreted through urine straight into the water column. The reason for this was to have the nutrients readily available for the plants to use and to have a faster dissolving nitrogen cycle. Since the fish waste is not solid there is no decay rate that the team would need to account for. The team went with this idea and kept on cruising with our plans which with our design we could use South or Central American cichlids as well as the original idea of Africans. So when the team was working with the budget and not knowing if we will have a presentation to show off the final product the team decided to spend more of the budget on the parts and innerworkings of the tank instead of livestock. This being said I have fish that the team will end up using which are Central American Cichlids to present with and will have the setup nearly identical with higher flow rates to help decomposition of waste. This is helping the team save money as well as not needing to find new homes for the fish when we are done with the project. So with this decision made as well as buying a used tank and stand setup the team is making up more room in the budget for lights and other needed items that will make the project more presentable and professional looking.