

DIRECTIONS FOR JUDGES:

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ENVISION 2020

Entry: [Chloe Chan]

Judge: [Collins] ([glcollins1@crimson.ua.edu])

1. Significance - The contestant's proposal either aims to solve a small inconvenience that affects a large population or a problem with a large impact that affects a small population. There is a literature review which supports the significance of the problem.
2. Feasibility - The contestant's interpretation of all pre-existing technology, methods, and concepts she describes in the proposal are correct. If the contestant can take all the steps, the study will succeed.
3. Innovation - How novel and creative is the proposal idea? Is it different from pre-existing concepts?
4. Approach - The funding, time, and resources the proposal asks for are justified by the breadth of the potential impact. In other words, the proposal uses the most avant-garde, efficient, and effective methods available to accomplish the goal. (Because this is a high school level competition, students are *not required* to include a budget in their proposal.)

*Grade on a scale from 1-9 where 9 is the highest score possible. Please **score in each category to the tenth** e.g. 7.1 or 3.8.*

Add up these values to get your overall score.

Significance	Feasibility	Innovation	Approach
[9.0]	[8.1]	[6.4]	[7.1]

OVERALL

[30.6]

Judge's comments: [This proposal is very significant to the problems we are facing today. The discussion about photobioreactors and their role in eliminating CO₂ pollution was informative. A figure or sketch generally explaining what photobioreactors do and how they function would have been helpful for providing readers with a visual of what is taking place during the process. I

would have liked the author to go into more detail as to why their photobioreactor of choice was optimal in comparison to the others. I would have also liked to have seen a more specific reasoning as to why the proposed experiment under 'Our Solution' was taking place the way it was. Overall, great concept, useful and realistic.]