**Corn For Fuel?! – Designing a Biofuels Plant Worksheet**

**Instructions:** Your task today is to pretend you are a biochemical engineer designing a way to create biofuels. This worksheet guides you through various steps of the engineering design loop to help you come up with a solution.



**Research and Investigate**

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| **Method: Describe your control and experimental groups. Then explain how you plan to carry out the investigation.** |
| **Control Group: Experimental Group:**In this investigation, we will… |

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| **Hypothesis: Write down a prediction. Justify your answer based on what you’ve learned about plants (including photosynthesis).** |
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| **Observations: Write down what you observe for each group of plants.** |
| **Control Group: Experimental Group:** |

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| **Conclusion: Based on the observations above, what can you conclude from your experiment?** |
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| **Design Application: Explain how you can apply this to the design of your biofuels production plant.** |
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