Dear Students,
You are tasked at creating the best algae growth for biofuel. The algae is going to be used for biofuel, this economical biodegradable fuel needs to be replaced rapidly without causing damage to the environment. You will choose the independent/dependent variable of their choice to study and take data daily for 2 weeks.
Choose 1 of the following from each category

Independent	**Dependent**
Temperature	percent dissolved oxygen
pH	density of algae
Amount	number of algae in a given area
light /dark cycle	amount of chlorophyll
Type of light	
Food	

Brainstorming:

Our group has chosen the following IV_____ we will use these different experimental groups_____
_____.

Our group has chosen the following DV_____ we will measure this variable this way:_____
_____using this equipment_____
_____.

Remember you must complete at least 3 trials! You must have a data table and a graph to support your findings in your lab report.

Lab report must include: problem, hypothesis, variables,materials, procedure you followed, data table, results, graph and conclusion.

Example: plant growth experiment

Our group has chosen the following IV water amounts. We will use these different experimental groups: 0 mL, 5 mL, 25 mL, 50 mL of water daily.

Our group has chosen the following DV plant height. We will measure the variable this way: we will measure the height using a metric ruler.

Lab report rubric: