

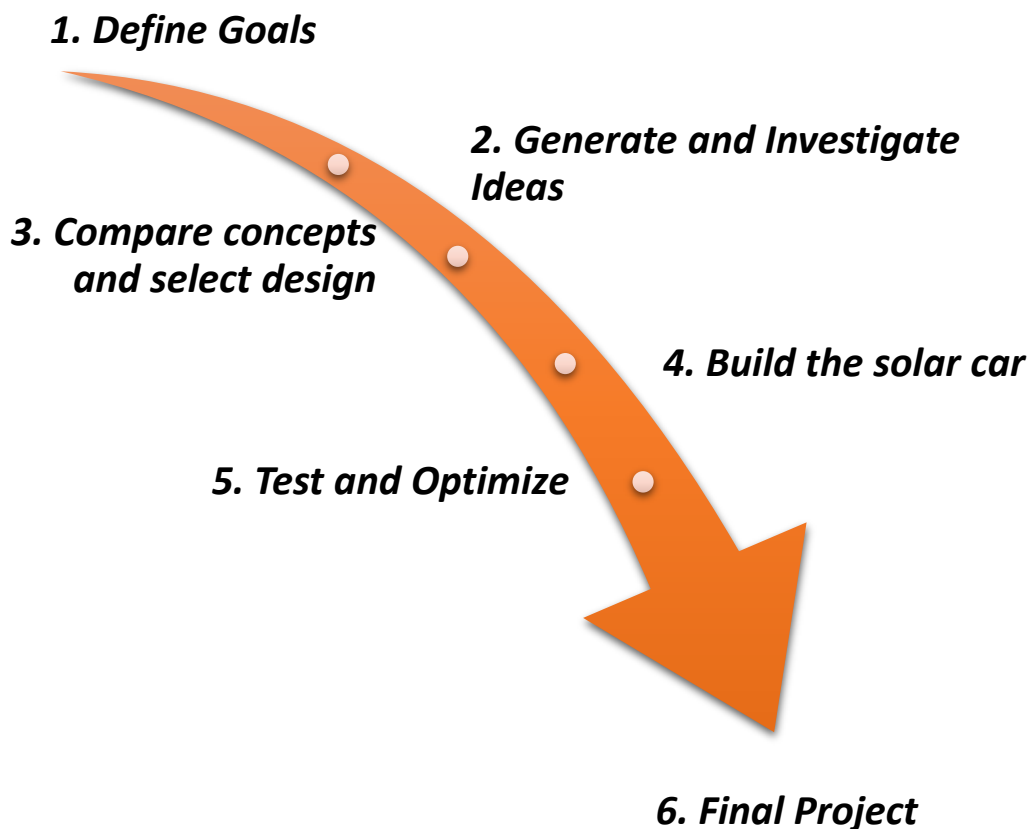
New Energy New Generation Rideable Solar Car Competition Worksheet 1

Team Name: _____

Design your own solar car


It is time for you to become an engineer. You have the knowledge to build your very own solar car! Work with your teammates on the goals together for the car design.

Solar Car Design Flow



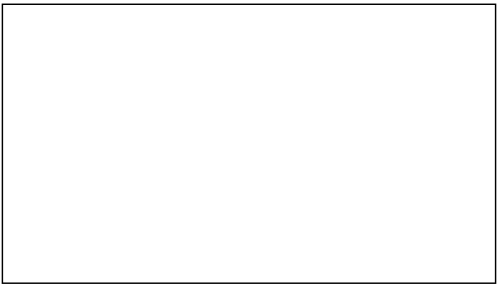
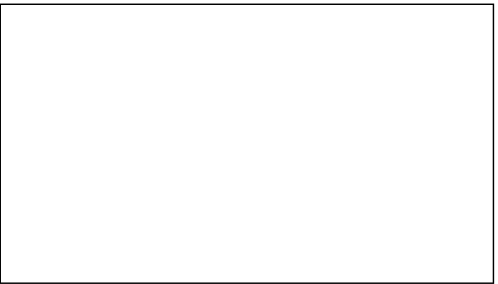
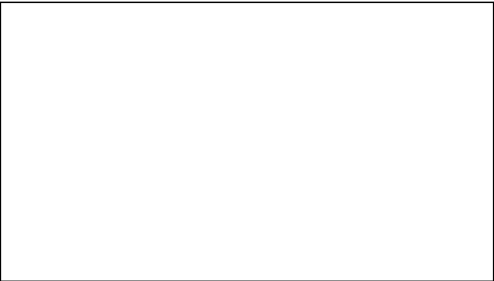
- 1) Together talk with your teammates in table and try to answer the questions below. What are the features you think your solar car should have to maximize the energy produced by the solar panel? What kind of materials should be used for the body?

Just write down what you think in the box provided.

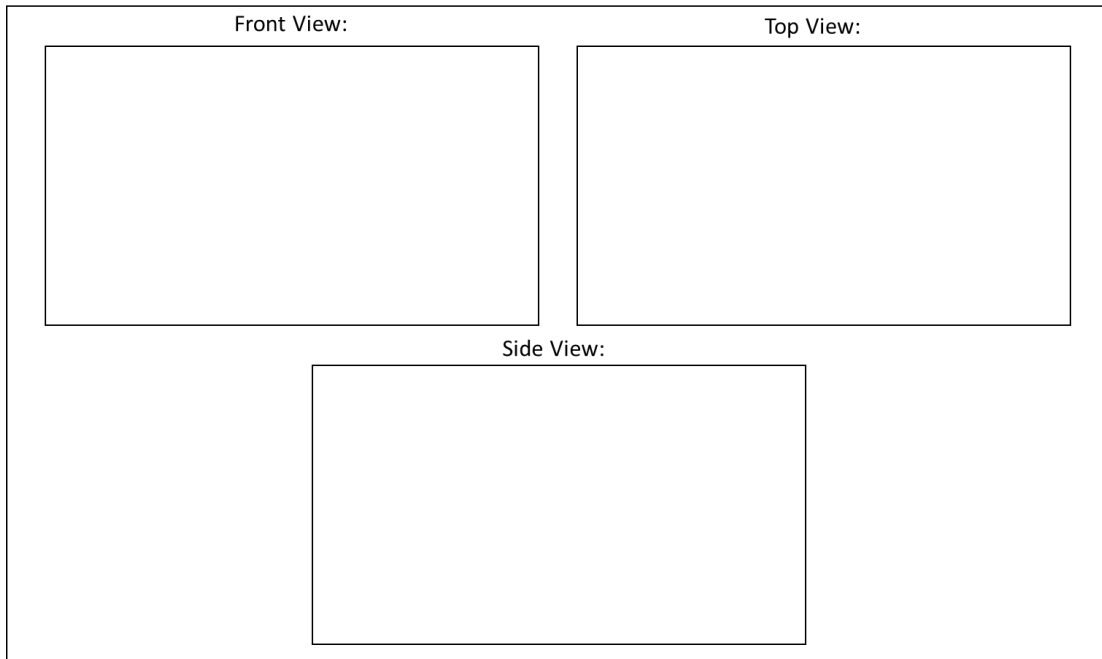
<p>Brainstorming Session What features should your car have? What materials should we use to make it?</p>	
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- 2) Next step: Draw your solar car designs below. Think about strategic placement of the various necessary components in order to create the fastest car possible. Also you may think about how you will go about securing the wheels and axles, as well as the motor and the solar cell.

Car Design #1:

<p>Front View:</p> 	<p>Top View:</p> 
<p>Side View:</p> 	

Car Design #2:



Car Design #3:

