



**Name:**  
**Company:**  
**Period:**

## Solar Energy: Rubric

<b>Phase I: Problem Definition</b> <i>All sections complete</i>	_____ / 5
<b>Phase II: Design Exploration</b> <i>All sections complete</i>	_____ / 15
<b>Phase III: Round 1</b> <b>Optimization of Azimuth</b> <i>All sections complete, including data collection</i>	_____ / 10
<b>Phase III: Round 2</b> <b>Optimization of Solar Elevation Angle</b> <i>All sections complete, including data collection</i>	_____ / 10
<b>Phase III: Round 3</b> Optimization of Temperature <i>All sections complete, including data collection</i>	_____ / 10
<b>Phase IV: Communication</b> <i>All sections complete</i>	_____ / 10
<b>Final Design</b> <i>Professional in appearance; meets stakeholders needs; incorporates functioning solar charger</i>	_____ / 20
<b>Instructions Manual</b> <i>Professional; includes at least one picture (with labels); includes a circuit diagram of solar charger using conventional symbols; includes 3 recommendations: azimuth, solar elevation angle, and temperature; includes clear instructions on how to use the design</i>	_____ / 20
<b>TOTAL: _____ / 100</b>	

