

Name: \_\_\_\_\_

## Investigating Solar Energy: Observations Sheet

<b>Fan/Light Observations</b>	<b>Direct Artificial Light</b>	<b>Sunlight</b>	<b>Normal Room Lighting</b>
Did your appliance begin to work immediately or was there a time delay?			
What happens to your appliance if you increase the distance between your light source and your solar panel?			
What happens when you block the light source?			
Other observations			
<b>Music Box Observations</b>	<b>Direct Artificial Light</b>	<b>Sunlight</b>	<b>Normal Room Lighting</b>
Did your appliance begin to work immediately or was there a time delay?			
What happens to your appliance if you increase the distance between your light source and your solar panel?			
What happens when you block the light source?			
Other observations			

**ANALYSIS**

How are parallel and series circuits different? Discuss wiring patterns, voltage, and current.

Did all the appliances begin to work after being placed near the light source? Explain why there may have been differences (time delays).

What is the effect of using different light sources to power simple appliances with a solar cell?