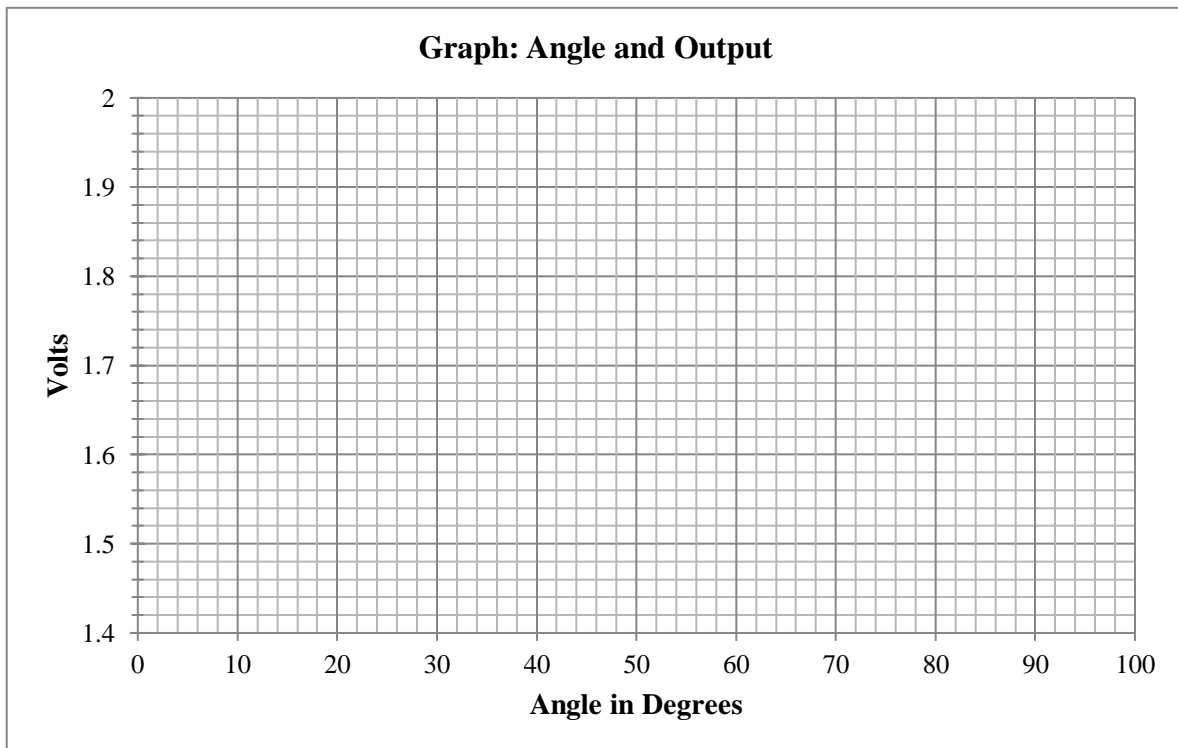


### Solar Energy

*Angle and Output: What is the best angle for solar panel output?*

Angle and Output	
Angle (°)	Voltage (Volts)
90	
60	
40	
20	



*Angle and Output Explanation*

1. Based on what you know about photovoltaic cells, why do you think you got these results?

***Temperature and Output: What is the optimal temperature for solar panel output?***

Temperature and Output		
Time	Temperature (°C)	Voltage (Volts)
	Room Temp.:	
0:30		
1:00		
1:30		
2:00		
2:30		
3:00		
3:30		
4:00		

*Whole Class Data*

Angle and Output: Whole Class	
Group	Angle – Max Voltage (°)
1	
2	
3	
4	
5	
6	

Temperature and Output: Whole Class		
Group	Temp. - Max Voltage (°C)	Temp. - Min Voltage (°C)
1		
2		
3		
4		
5		
6		

*Design*

*Solar Energy Informational Flier*

2. Create an informational flier about the causes and effects of climate change, proposing solar energy as a solution. Reflect on the activities in this energy module to include information about 1) the cause of climate change, 2) the effects of climate change, 3) how solar energy can mitigate climate change, and 4) an argument for when solar energy is most efficient in New Mexico (using data from the investigations above).

*a*