Group name: _____ **Date:** _____

Analysis & Results Worksheet

Zero-Energy Housing Project

Testing Part 1: "During the Day"		Testing Part 2: "During Night"	
Time (minutes)	Temperature (degrees)	Time (minutes)	Temperature (degrees)
0		8.5	
		9	
1			
		10	
2			
		11	
3			
		12	
4			
		13	
5			
		14	
6			
		15	
7			
8			

1. Collect your data and record it in the table, above.

2. Plot your data on graph paper (or using Excel software).

   - Calculate the largest slope for your plot during the daytime. Remember, slope = rise/run

   - Next, calculate the largest negative slope for your plot during the nighttime.

3. Compare your results with other groups. A larger slope during the daytime means greater temperature gains, while a larger (less negative) slope during the nighttime means better heat sustainability.

4. How did your group's model home results compare to the other model homes?

5. What worked well in your design? What seemed to work well in other groups?

6. What would you change if you had the time and ability to do so?

7. Draw a sketch of your new and improved model home!