**Solar home Lab Write-up Instructions**

You must type or write up the following for your lab-write-up. Do not forget to label your sections.

1. Title your lab: Solar Home Lab
2. State the Purpose or objective: We will design and build models of homes and investigate various factors that contribute to collecting solar heat in a home.
3. Hypothesis:
4. Data: staple your data sheet to the back of your lab write-up. Additionally, you must make a graph of your data (both homes, temperature over time).
5. Answer the following analysis/conclusion questions in COMPLETE sentences.
6. Which of your solar homes heated up faster? Why?
7. Which one got warmer? Why?
8. How would you change your home if you were to design it to be located in Anchorage Alaska? Phoenix, Arizona?
9. Did you support or refute your hypothesis? Explain your answer in detail.
10. How do you think your data would’ve changed if the weather was different? (if it was cold and cloudy, then how would it be different with warmth and sun or vice versa)
11. What are some of the advantages and disadvantages of solar energy?