

ADDITIONAL DOCUMENTS

Student Lab Sheet: Passive Solar Research

Name: _____ Class / Period: _____

1. Read your "Research Project Info Card" and discuss
2. Read this entire lab sheet
3. Form a hypothesis and write it below
4. Set up your experiment. Be sure sunlight does not directly strike the thermometer
5. Record your data. Be precise about reading the temperature. Check it every 60 seconds, as accurately as possible
6. Analyze your data and make a line graph
7. Review your research

Title for your experiment:

Hypothesis:

Record and graph your data on the back of this page. Then answer this question:

Do your data support your hypothesis? Explain your conclusion in logical cause-and-effect terms:

Review your "Research Project Info Card" and then continue.

What have you learned? How could you apply this in your own life now or in the future?

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Student Lab Sheet: Passive Solar Research *(Continued)*

Describe how the models differ.		<u>Model A:</u>		<u>Model B:</u>	
<u>Minutes</u> (1)	Time (2)	Temp. (3)	Temp. Change (4)	Temp. (3)	Temp. Change (4)
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

Column (1) = number of minutes since you began the experiment

Column (2) = actual clock time

Column (3) = temperature recorded

Column (4) = change in temperature (temperature at this time - temperature at 0 minutes)

