Name:	Date:	

Temperature Tells All Activity – Temperature vs. Time Worksheet

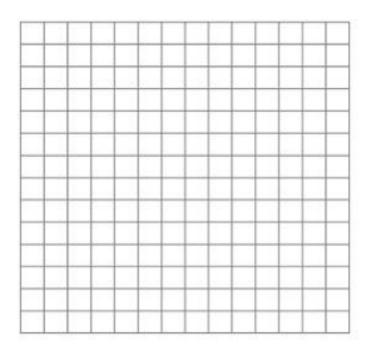
Test: ____ First or ____ Second (place an "X" on which test this is for)

Time (minutes:seconds)	Time ID	Outside Temperature (°F)	Inside Temperature (°F)	Difference Between Inside and Outside Temperature (°F)	Change in Indoor Temperature (°F) (i.e., T2-T1)	Qualitative Analysis (how smoky does the house look?)
0:00	T1					
0:20	T2					
0:40	Т3					
1:00	T4					
1:20	T5					
1:40	Т6					
2:00	T7					
2:20	Т8					
2:40	Т9					
3:00	T10					
Tur	n off lan	np and remove in	ncense from und	er the platform		
3:20	T11					
3:40	T12					
4:00	T13					
4:20	T14					
4:40	T15					
5:00	T16					
5:20	T17					
5:40	T18					
6:00	T19					

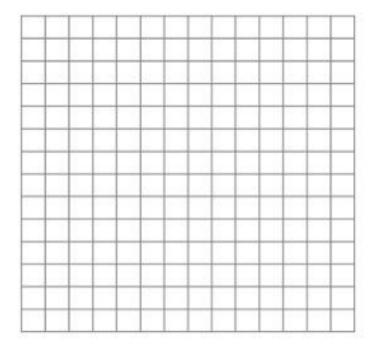
Name:	: Date:				
Direct	tions				
1.	Graph the Inside Temperature versus time.				
2.	Graph the Difference in Inside and Outside Temperature versus time.				
3.	Graph the change in Inside Temperature versus time.				
4.	What is the maximum Inside Temperature? What is the minimum Inside Temperature? What time do each occur at?				
5.	What is the greatest Change in the Inside Temperature? What is the smallest Change in Inside Temperature? Between what times do these occur? and				
6.	Find where the greatest change in Inside Temperature occurs on the graph you made in #1. What do you notice about the line connecting the data points?				
	Do the same for the smallest Change in Inside Temperature.				
7.	What factors do you think affect the rate of Change in Inside Temperature? (materials, orientation, etc)				
0	Compare with other groups!				

8. Compare with other groups!

Graph #1 - Indoor Temperature vs. Time



Graph #2 - Difference between Indoor and Outdoor Temperature vs. Time



Name:	Date:
i v allic.	Date.

Graph #3 - Change in Indoor Temperature vs. Time

