

NAME _____

DATE _____ Pd _____

69.1 Solar Heating

Part A – Solar Heater Data

TIME (min)	TEMP: tested (C)	TEMPERATURE: class control (C)
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Change in Temperature after 15 minutes.

Tested: _____ Class Control: _____

Part B – Calculating Energy Efficiency

Use the chart below for questions 15-18 on pg. D92. SHOW ALL YOUR WORK!!

Efficiency transferred to water (calories)	
Area of solar heater (cm ²)	
Energy transferred to the tubing (calories)	
Efficiency of heating system (%)	

Explain how you came up with the number for the area of the solar heater.
