Name:	[	Date:	
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## How Much Heat Will It Hold? Worksheet

1.	<b>Prediction:</b> We predict that the longest (= best thermal energy storage).	material will hold hea
2.	Our team is measuring	material
3.	The starting temperature of our material is	·
4.	The starting temperature of the water is	·

5.	Complete the chart b	elow with y	your temperature	measurements:
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sompresse the chart selow with your to			
	HOT WATER		
Minute	Temperature of material	Temperature of water	
0 (start)			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

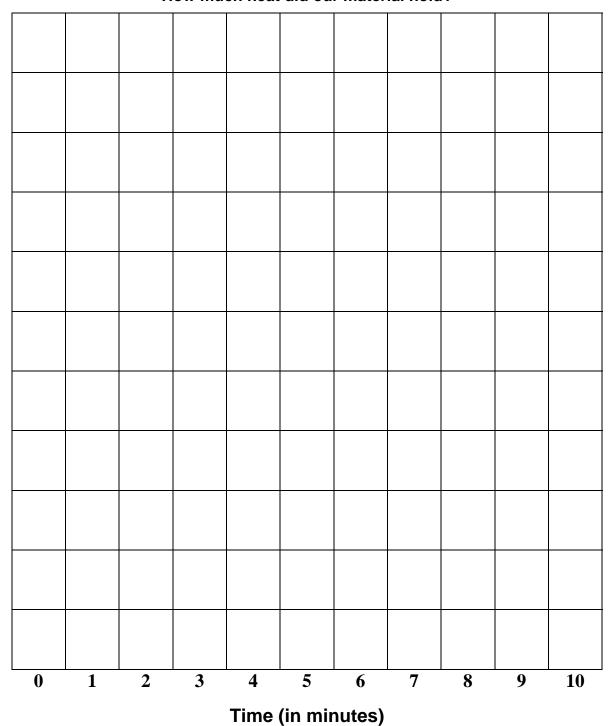
COLD WATER			
Minute	Temperature of Material	Temperature of water	
0 (start)			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

6.	Compare your results with the class.			
	Our material has: (circle one)	HIGH heat capacity	LOW heat capacit	
7.	Was your prediction (#1) correct?	Why or why not?		

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**8.** Draw a graph of your results for your material in HOT water. Graph your time vs. temperature on the graph below.

How much heat did our material hold?



Energy: Lesson 6, How Much Heat Will It Hold? Activity — Worksheet

**Temperature**