

Name:

Date:

Class:

Rooftop Gardens: Temperature Data Sheet

		Black Tar Roof		Rooftop Garden	
		Roof	Inside	Roof	Inside
Time (min)	Day or Night lamp or fan?	Temperature (°C)			
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

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Data Analysis Questions

1. What trends did you see taking place in terms of the temperature? Describe whether the temperatures in each location were steadily increasing, fluctuating, or remaining constant.
2. What was the maximum temperature in each location?
At what time was each maximum temperature reached?
3. Did the results match your hypothesis? Explain.
4. What do your results suggest about rooftop gardens affecting the urban heat island? Back up your answer with specific examples from your results, including comparing temperatures inside the two buildings and outside of the two buildings.