

Name _____

The Urban Heat Island Effect

Research question: _____

Materials

- | | |
|--------------------------------------|--------------------------|
| <input type="checkbox"/> Thermometer | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |

Procedure

1. _____

2. _____

3. _____

4. _____

5. _____

Variables and controls

What is your independent variable? (What are you changing between your two setups?) _____

What is your dependent variable? (What are you measuring?) _____

What are you controlling? (What needs to be the same in both of your setups?) _____

Hypothesis

Your hypothesis should be a logical answer to your research question based upon what you know about surfaces:

Data

Time	Surface 1:	Surface 2:
0 min		

Analysis

How much did the temperature change near Surface 1? _____

How much did the temperature change near Surface 2? _____

Conclusion

Was your hypothesis correct? _____

Why did the air heat up more in some places than others? _____

Based upon your results, explain what causes the urban heat island effect.
