

Name _____

EPA: Urban Heat Islands

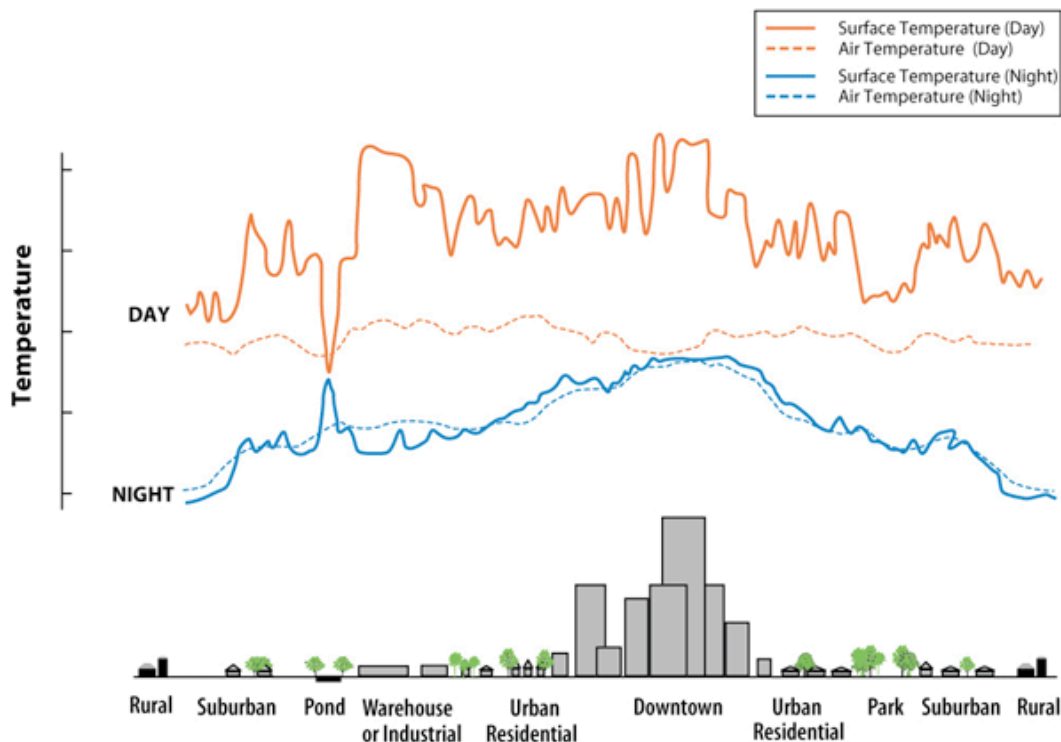
Directions: Go to: <http://www.epa.gov/heatisland/about/index.htm>.

Read about Urban Heat Islands and answer the following questions.

go to: **BASIC INFORMATION**

1. Define "Urban heat island":

2. Sketch the temperature variations as shown on the website onto the profile below. *Discuss which areas are cooler.*



3. How do *heat islands form*? Describe 2 methods that contribute to higher urban temperatures from heat islands.

Why Do We Care About Heat Islands?

4. Discuss the environmental **benefits/detriments** of wintertime and summertime heat island areas.

5. What are some of the things that can be done to **reduce** the urban heat island effect?

6. What is the temperature variance in **green roof vs. traditional roof**?

7. Describe some *benefits* of green roofs:

Heat Island Impacts

8. What are the **4 major impacts** of urban heat islands?

9. Name **2 human health effects** of heat islands

Urban Heat Island Mitigation

10. What is a **cool pavement**?

Where You Live

Click on California- list 2 things that are currently being done to help mitigate the effects of urban heat islands

