Name:							

Understanding Urban Heat Islands

1. Why would you feel warmer on a hot sunny day wearing a black tee-shirt compared to wearing a white tee-shirt?
2. What affects the temperature in a city?
3. What types of building materials found in a city absorbs and reradiates the greatest amount of heat?
4. What types of building materials found in a city reflects heat?
5. What is an urban heat island ?
6. According to the sketch of an urban heat island profile, what types of areas absorb and release the least amount of heat?
7. According to the sketch of an urban heat island profile, what types of areas absorb and release the most amount of heat?
8. List 3 things that communities can do to reduce the impacts of urban heat islands.
9. How can planting trees in a city reduce the city's temperature?
10. What is evapotranspiration?
11. List 4 ways trees can benefit the environment?

12. What is a cool roof ? Ho	ow does a cool roof keep materia	al cooler and help reduce the heat island
13. What are cool paving m	naterials and how can they reduc	ce a city's temperature?
14. Why is using a light-color paved area?	red paved area for a city plaza a	better choice than a dark, colored asphalt
15. How do porous (or perm	eable) pavements reduce heat?	
	10 million dollars to reduce the hoduce the city's temperature?	eat island effect in your city. What would