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STUDENT INFORMATION SURVEY

Student ID #: Teacher's Name	Provide your unique student ID only so we can compare your answers between the beginning and end of the program/semester.
Class:	Date:

1. What is the name of the stream closest to your school:

2. Name a watershed in which your school is located: _____

SELECT ONE:

- 3. TRUE / FALSE: I, personally, am unable to take action to improve my community's impacts from the effects of urban heat.
- 4. TRUE / FALSE: Because of where I live, my personal and family's activities do not impact stream health.
- 5. TRUE / FALSE: I know what an urban heat island is and could explain it to my friends.
- 6. TRUE / FALSE: The air temperature difference in an urban heat island compared to wooded land is greater during the nighttime.
- 7. TRUE / FALSE: Urban Heat Island effects increase energy demands for communities and business residing in one.
- 8. Urban Heat Islands are
 - a. Only a problem in the south or the tropics.
 - b. Areas of developed land that are warmer than surrounding undeveloped land.
 - c. Important for ecological diversity in the city.
 - d. Expensive to maintain and should be better funded.
 - e. Are equally a problem for everyone.
- 9. We can reduce the heating effects of impervious surface by:
 - f. Painting it a lighter color
 - g. Converting it to more permeable products
 - h. Planting vegetation on top or close to it
 - i. Directing its runoff to appropriate stormwater management structures
 - j. All of the above
- 10. Which has a higher albedo, an asphalt parking lot or a snow-covered field?
 - k. asphalt parking lot
 - I. snow-covered field
 - m. they have the same albedo



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- 11. To protect streams, stormwater should be
 - n. Slowed down
 - o. Cooled off
 - p. Allowed to absorb into the land
 - q. Cleaned of pollutants
 - r. All of the above
- 12. Air temperatures in the cities:
 - s. Increases incidents of asthma and breathing issues in people
 - t. Causes more heat related illness, especially for people without air conditioners
 - u. Stresses trees and animals
 - v. Can stay warm at night, compared to the country.
 - w. All of the above
- 13. Extreme heat impacts my communities by:
 - x. Placing older citizens and young children as risk for illness or death
 - y. Causing additional energy consumption which contributes to more urban heat
 - z. Increasing incidents of breathing and other heat-related emergencies
 - aa. Raising the surface water temperatures in my watershed, changing its overall health.
 - bb. All of the above
- 14. One of the most inexpensive ways to reduce urban heat is to:
 - cc. Plant trees
 - dd. Reduce our thermostats (lower the temperature)
 - ee. Replace old asphalt parking lots with permeable pavers
 - ff. Build smaller homes
- 15. How could your stream be impacted if a large box store and parking lot was built close by? (CIRCLE ALL THE APPLY):
 - gg. Trash/litter
 - hh. Increase stormwater flow
 - ii. Water temperature gets warmer
 - jj. Flooding

- kk. Pollutants (gas, salt, oil and antifreeze)
- II. Increase of soil erosion
- mm. Fish and insects could die