Name: _____   Date: _____

PART ONE

Using the New York City Street Tree Map, choose a neighborhood within one of the five boroughs. Using the data for that neighborhood, answer the following:

Neighborhood name: _____

How many trees are planted in total? _____

How many species are represented? _____

What is the most common tree, and what proportion (or *percentage*) does it make of the total trees planted? _____

Make sure that all species are being shown (check top right side and make no filters are being applied to the map). Using the information box on the left-hand side, answer the following:

How much stormwater is intercepted each year by this neighborhood's trees?

How much energy is conserved each year by this neighborhood's trees?

How many air pollutants are removed each year by this neighborhood's trees?

How much carbon dioxide is reduced each year by this neighborhood's trees?

What is the total value of annual benefits that trees bring to your chosen neighborhood?

PART TWO

Using the filter option on the top right side of the map, filter trees in your neighborhood by trunk size – choose "12 to 18 inches**." Find three different trees of three different species that are all 12 inches in diameter**. Compare the three using the tables below:

SPECIES 1: _____

How much…?

Stormwater Intercepted?		Value?	
Energy Conserved?		Value?	
Air Pollutants Removed?		Value?	
Carbon Dioxide Reduced?		Value?	
Total Value?			

SPECIES 2: _____

How much…?

Stormwater Intercepted?		Value?	
Energy Conserved?		Value?	
Air Pollutants Removed?		Value?	
Carbon Dioxide Reduced?		Value?	
Total Value?			

SPECIES 3: _____

How much…?

Stormwater Intercepted?		Value?	
Energy Conserved?		Value?	
Air Pollutants Removed?		Value?	
Carbon Dioxide Reduced?		Value?	
Total Value?			

Which of the three trees provides the most value? _____

Looking closely at the numbers, was there anything that surprised you – a tree whose total value was lower than others but that had higher individual values in a single category?