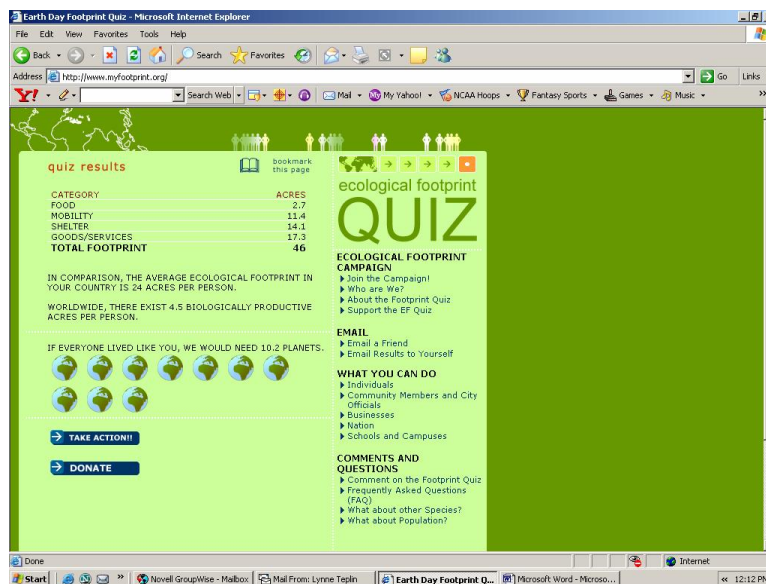


## Ecological Footprint

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The objective of this project is to make us aware of the environmental issues and to think about possible solutions. Through this project you will learn about environment, our contribution to environmental problems, how it affects us, what is our role in solving the problem(s), and hopefully take some actions in our daily lives to save our earth from anticipated future disasters. We hope to display this project in the Earth Day celebration, which will be held in our college.

In this project you will study earth-resource-consumption of the LaGuardia campus students. To obtain this information, you will collect information (data) from yourself and ten additional students (sample). You will use the online survey (quiz) given in the earth day website. The website which has the online quiz is: [www.myfootprint.org](http://www.myfootprint.org). Once you enter the individual information in this online quiz, it will calculate the person's consumption of resources given as the number of footprints. The number of footprints is the number of acres (per person) a person needs to live as he/she is living currently. The 'Quiz Results' page also shows the consumption for each of the four categories. Please copy down all the quiz results that you will see for each person's data. You should prepare a spreadsheet in advance to collect the data when you conduct the survey, and to note down the results for each surveyed person. Following is a screenshot of the quiz results page. You will find eight numbers, which you will need to note down in your spreadsheet.



Once you have the results, we will combine the information that each of you will bring. We will study the combined data. This will include finding some average numbers, percentage and proportions, creating bar graphs and then write conclusions. We will also prepare a small list of what can be done to reduce the resource consumption

The website for the earth day is [www.earthday.net](http://www.earthday.net). There is another website: [www.climatecrisis.net](http://www.climatecrisis.net), which goes over the issues of global warming in details. Explore the two websites to learn more about the environmental issues such as pollution, global warming, the effect of these problems in our lives, what is causing them, what are the possible solutions suggested, and what we can personally do to address the problems.

Follow the steps given below to complete the assigned project. If there are any questions, please feel free to ask me.

Step 1: Logon to the website: [www.myfootprint.org](http://www.myfootprint.org)

You will see world map on the home page. Click on the US map section and choose English to see the Quiz in English language. Right after clicking you will see the questionnaire. Click on each question to see the choice of answers.

Step 2: Prepare a paper copy of the survey questions. (Bring this in the class to finalize)

To prepare a paper survey, you will need to note down the questions and the answer choices given in the quiz. Your paper copy should be short enough so that when you conduct the survey you will just have to put a check mark under the response that you get and that you do not have to turn too many pages.

Step 3: Prepare a paper copy to note down the quiz results. (Bring this in the class to finalize)

Take the quiz for yourself. When finished you will see the quiz results page. You can prepare a spreadsheet with number of columns you need. In your results page you must keep the demographic information (age, city, and gender) of the person that you collected in the survey. When you note down the results, be careful so you do not mismatch a person's demographic information and quiz results with another persons' information.

Step 4: Conduct the survey. (Save the copy)

In the paper survey, fill out your information and obtain information from ten additional students in this college. When you do the survey, ask the student if he/she has been surveyed before by one of your classmates. This will avoid duplicating the sample.

Step 4: Obtain Quiz Results (Bring the paper copy of the survey and the results in the class)

Enter the survey data in the online quiz and obtain quiz results for each surveyed person. Note down the results in your paper copy (spreadsheet).

Step 5: Combine the entire class data. I will work with you on this in the class.

Step 6: Analyze the data:

We will discuss this in class when ready. Each of you will compute some summary numbers, prepare graph, write your results and conclusions, and write recommendations to improve the environmental situation.