**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**My Ecological Footprint is WHAT size!?!?!**

**Goal:** To compare the size of your ecological footprint to others in the class, and determine

what factors influence the size of your EF.

**Task:** use the Ecological Footprint Calculator by Earth Day Network Footprint Calculator

<http://www.earthday.org/footprint-calculator>

**Note:** There are many internet-based EF calculators, so your EF may be different if you use a

different EF calculator. (Try it and see!)

**Step 1: Quick review of EF definitions**

EF calculates the amount of land required to meet our \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and wants. It is typically calculated in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and 1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is equal to 10,000 m². The

number of people the Earth can support is known as its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

When we go beyond what the Earth can support, it is known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. In

comparison, when the Earth can support Earth’s population and consumption rates, it is known

as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. If the Earth can support more than Earth’s population and

consumption, it is called **surplus capacity.**

**Step 2: EF Calculations**

Complete the EF calculator and tell your results to your teacher. Being the nice guys that we are, will compile the class results and post them on the Geo. website for you to use for **Step #3**

**Step 3: Line Graph**

Complete a line graph with EF (in hectares) on the Y-axis and the initials of your classmates on

the X-axis. Make sure to complete the graph in pencil and fully label the axes and include a title.

The title should be: “EF for Individual Students in CGC1DI-0\_”

**Step 4: Graph Analysis**

Answer the following questions in the space provided:

1. What was the average EF for the class?

2. How does this compare to the average EF for Canadians? (find out using the internet)

3. Was your own EF above, below or on the class average?

4. Was your own EF above, below, or near the Canadian average?

5. What were some of the questions in the EF calculator that most influenced the size of

your EF?

6. Brainstorm three ways you could personally reduce the size of your EF.