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 Royal Saskatchewan (YEAH!) Museum's Internet-based EF calculator to determine your EF.

http://www.royalsaskmuseum.ca/gallery/life_sciences/footprint_mx_2005.swf

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 m^2. 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 record your own results on the chart provided. Don't forget to fill in your classmates' EF as well.

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-01"**

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.