Name: Class: Date:

MY CARBON FOOTPRINT

**What is a Carbon Footprint?** [Web Resource: Climate Change – Time for a Change](http://timeforchange.org/what-is-a-carbon-footprint-definition)

1. Using information found on the website listed, define *carbon footprint* in your own words.

|  |
| --- |
|  |

**What is YOUR Carbon Footprint?**[Web Resource: Nature.org – Carbon Footprint Calculator](http://www.nature.org/greenliving/carboncalculator/)

1. Complete the survey on Nature.org’s Carbon Footprint Calculator and write your results below:

|  |  |  |
| --- | --- | --- |
| **Estimated Greenhouse Gas Emissions (tons CO2/year)** | | |
| **You** | **U.S. Average** | **World Average** |
|  |  |  |

1. Then, find three other classmates and copy down the correct column into the table below.

|  |  |  |
| --- | --- | --- |
| **Estimated Greenhouse Gas Emissions (tons CO2/year)** | | |
| **Classmate 1** | **Classmate 2** | **Classmate 3** |
|  |  |  |

1. Lastly, answer the analysis questions that follow.
2. How does your CO2 emissions compare to the U.S. average? Are you below, at, or above average?

|  |
| --- |
|  |

1. How does your estimated CO2 emissions compare to the world average?

|  |
| --- |
|  |

1. Record YOUR behavior breakdown and the U.S. AVERAGE breakdown in the table below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **My Behaviors** | **Percentage of CO2 Emissions (%)** |  | **U.S. Average Behaviors** | **Percentage of CO2 Emissions (%)** |
| Home Energy |  |  | Home Energy |  |
| Driving & Flying |  |  | Driving & Flying |  |
| Food & Diet |  |  | Food & Diet |  |
| Recycling & Waste |  |  | Recycling & Waste |  |

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CARBON FOOTPRINT – WHAT YOU CAN DO ABOUT IT!

**Meet the Greens!**[Web Resource: Meet the Greens](http://www.meetthegreens.org/episode1/" \o "Click here to follow the hyperlink)

1. Fill out the graphic organizer by giving one example of what we can do to help our planet after watching each episode.

|  |  |
| --- | --- |
| **Episode Name** | **Example of What We Can Do To Help Our Planet** |
| Pigs Fly |  |
| That’s a Wrap |  |
| Landfill Blues |  |
| Buy Less Stuff |  |
| Blackout |  |
| 7 Big Ideas  *Feel free to watch this one a few times to get all seven.* | 1. |
| 2. |
| 3. |
| 4. |
| 5. |
| 6. |
| 7. |

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CARBON FOOTPRINT – MY PLAN OF ACTION

1. In the first column, write down 2-3 ways that you are producing CO2. In the second column, record a goal to reduce your carbon footprint in that area.  Besides writing *WHAT* your goal is, be sure to write *WHEN* you want to reach that goal. In the third column, include 2-3 *realistic* steps to reach your goal.  This is *HOW* you intend to complete your goal.

|  |  |  |
| --- | --- | --- |
| **How Are You Producing Extra CO2?** | **Goal to Decrease Your Carbon Footprint** | **2-3 Steps You Will Do to Complete The Goal** |
| Example:  I am using too much electricity. Power plants need to use more coal to make the extra electricity I use. Burning the coal creates more CO2. | Example:  I want to reduce the amount of electricity I use this year. | Example:   1. Unplug unused electronics. 2. Shut down our computers each night 3. Turn off the lights when we exit rooms. |
| 1. |  |  |
| 2. |  |  |
| 3. |  |  |