Name: _____ **Date:** _____

Carbon Footprint Worksheet Example Answers

Instructions: Answer the questions below, then fill in the corresponding values on the far right. Tally the values to find your carbon footprint. Only fill in one value for each question, unless otherwise stated.

Ex. Do you turn off the lights when you leave a room?
    a. Yes   a. 133   **_133_**
    b. No   b. 268   _____

1. How do you get to school?
    a. walk   a. 0   _____0___
    b. bike   b. 0   _____
    c. car   c. 1115   _____
    d. bus   d. 131   _____
    e. carpool   e. 459   _____
2. Do you eat mostly…
    a. fast food   a. 4818   _____
    b. home cooked food   b. 629   ____629_
3. Do you eat mostly…
    a. vegetables/fruits   a. 153   _____
    b. meat   b. 644   _____
    c. bread   c. 364   ____364_
4. Do you turn off lights when you leave a room?
    a. yes   a. 133   ___133__
    b. no   b. 268   _____
5. Do you unplug appliances/chargers when not in use?
    a. yes   a. 9   _____
    b. no   b. 18   _18_____
6. How do you dry clothes?
    a. hang to dry   a. 0   _____
    b. dryer   b. 750   _____
    c. both   c. 375   ___375__
7. Do you turn off the water when brushing your teeth?
    a. yes   a. 34   ____34__
    b. No   b. 274   _____
8. Do you turn off the TV when you're not watching it?
    a. yes   a. 47   ____47__
    b. no   b. 140   _____
9. Do you turn off your video game system when you're not using it?
    a. yes   a. 29   ____29__
    b. no   b. 90   _____
    c. don't have/use one   c. 0   _____
10. Do you recycle? (for this question, select all that apply)
    a. magazines   a. -15   _____
    b. newspaper   b. -90   ___-90__
    c. glass   c. -7   ____-7__
    d. plastic   d. -19   ___-19__
    e. aluminum and steel cans e. -86   ___-86___

Add together all the values in the far right column and report here:
Use the workspace on the next page to do your work.

1,427

example answers (will vary by student)

Workspace:

Example tabulation:	0
	+629
	+364
	+133
	+18
	+375
	+34
	+47
	+29
	-90
	-7
	-19
	-86
	1427

example answers (there are many acceptable solutions)

This total is your "carbon footprint" in the number of pounds of carbon dioxide per year. The lower the number, the fewer greenhouse gasses are emitted into the atmosphere.

Review your choices in the survey. **What changes can you make in your life to reduce your carbon footprint?** Try to make some of these changes in the next week. Use the space below to engineer a plan to reduce your carbon footprint.

Example answer: I could reduce my carbon footprint by eating less meat. I could also hang dry my clothes and unplug my chargers when I'm not using them.

Things I will turn off:

Example answer: I will make sure to turn off my computer, TV and video games when I am not using them.

How I will get to school:

Example answer: I will walk or ride my bike to school every day, and talk to my friends about carpooling to sporting events in the future.

What I will eat:

Example answer: I will eat more fruits and vegetables this week, and less meat and bread.

How much I will use electronics:

Example answer: I will cut down my TV watching to three hours per week.

What I will recycle:

Example answer: I will continue to recycle anything that can be recycled, and choose second-hand and recycled items when available for purchase.

Other things I will do:

Example answer: I will unplug my phone charger when I am not charging my phone. I will also walk to my friends' houses instead of getting a ride.