Emission Trading Game

Directions:

The color white is a new pollutant. For each item of visible clothing that has ANY white on it, you must pay 1 ticket. Each student is allowed 2 tickets and a packet of Smarties. If you do not have enough tickets to cover your "white pollution", you will lose 5 points on this assignment PER white pollutant. You may attempt to "buy" (with Smarties), trade, etc. to gain tickets if you need.

You will have 7 minutes in which to work to meet your White Pollutant Allowance Limitation.

Reflection Questions:

1. How many items with the color white are you currently wearing?

2. Do you have a surplus, deficit, or equal amount of tickets to cover your White Pollution?

3. If you have a surplus, what did you do with it? If you had a deficit, what did you do? If you were equal, just write in "equal".

4. Ask those who had to "buy" tickets …. What seemed to be the going rate for purchasing White Pollution Allowances?

5. If this experiment were continued for a week, how would that affect your willingness to trade if you had a surplus?

6. If this experiment continued for a week, how would that affect your clothing choice each morning?

7. In what ways is this game similar to the EPA's emissions trading as set up in the Clean Air Acts? (refer to http://www2.epa.gov/airmarkets/allowance-markets) Be sure to check links in box on RIGHT.

8. In what ways is this game different than the EPA's emissions trading?

9. Go back to the website in Item #7. Click the "SO_2 Allowance Auctions" then "see the results of the annual auction". For the past three years under "spot auction bids", identify the top three Spot Auction Winners, the corresponding quantity, and the amount paid.

Calculate YOUR ecological footprint:

Go to http://www.footprintnetwork.org/en/index.php/GFN/page/calculators/. Select the USA and then work to answer the questions to the best of your ability.

My footprint is _____ Planet Earths.

_____ global acres.

Most of my footprint is used for:

What are three things that you can change to lower your ecological footprint?