

D.N.A.

Essential Question:

End of Class Reflection:

Stretch-It:

D_o N_{ow} A_{ctivity}







Essential Question:
What is an ecological footprint?


End of Class Reflection: How did your ecological footprint compare to the national average?
Stretch It: Why do you think the countries with a higher average than the US have higher ecological footprint.

General Biology
 Friday, May 11
 Ecology
 Humans in the Biosphere


THE ECOLOGICAL FOOTPRINT

Which of our activities influence the state of the Earth?

 BUILT ENVIRONMENT HOUSES ROADS INFRASTRUCTURE ENERGY PLANTS	 AGRICULTURE FOOD ANIMAL FEED BIOFUEL TEXTILES	 FISHING YIELD FROM THE OCEAN AND RIVERS	 FOREST USE LOGGING CONSTRUCTION FURNITURE PAPER FIREWOOD	 GRAZING LAND MEAT DAIRY PRODUCTS LEATHER WOOL	 FOSSIL FUELS PRODUCTION TRANSPORTATION HEATING COOLING ETC.
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Objective: SWBAT describe ecological footprint.



Ecological Footprint Activity

Directions:

- I. Using the Internet go to the website listed below to determine your ecological footprint.
<http://www.myfootprint.org/>

- II. Once you have completed the activity answer the questions on the back:



1. Define ecological footprint.
2. What was your ecological footprint for:
Carbon:
Food:
Housing:
Goods and Services:
TOTAL:
3. How does your footprint in global acres by consumption compare to the average for the US?
4. How many planets would we need if everyone lived like you?

Visit the following link: <http://data.footprintnetwork.org/>

5. How does the United States' ecological footprint compare to other countries?
6. Which country has the smallest ecological footprint?
7. What are some factors that attribute to your ecological footprint?
8. List three things that increase your ecological footprint.
9. Describe three ways to reduce your ecological footprint.

When finished, compare your results from the Ecological Footprint calculators moved to these below Carbon Calculators. Some useful individual or household calculators are:

- [U.S. Environmental Protection Agency Household Emissions Calculator](#)
- [The Conservation Fund's Go Zero calculator](#)
- [Bonneville Environmental Foundation](#)
- [Chuck Wright's Carbon Calculator](#)
- [SafeClimate](#) sponsored by the World Resources Institute
- [American Forests calculator](#)
- [TerraPass](#), a carbon offsets provider