

### Reflecting on Yesterday



- What are a few examples of the questions that were included in the ecological footprint quizzes?
- What did all of the questions have in common?
- 2. What types of actions generate an ecological footprint?
- Consumption of goods, use of energy which pollutes, generation of waste....

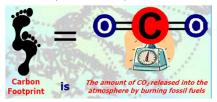
# **Ecological Footprint**



- Definition
- A measure of human demand on the Earth's ecosystems

### **Electronics**

- By far one of the most obvious connections to your footprint are the electronics that you use daily.
- This is because most of our electricity in the USA and in North Carolina comes from the burning of fossil fuels which release carbon dioxide.
- For this reason, ecological footprint is sometimes referred to as your carbon footprint.



#### ppm



- Definition:
- Parts per million. 1 milligram of something **per** liter.
- Application:
- Can be used to describe the amount of carbon dioxide in the air.

# Calculating the Increase!



4. Calculate the percent CO<sub>2</sub> concentration increase between 1914 and 1960 using the below information:

1914  $CO_2$  concentration = 301 ppm 1960  $CO_2$  concentration = 316 ppm

Formula:

 $Perecent\ Increase = \frac{Difference\ in\ ppm\ concentration}{earlier\ amount\ of\ carbon\ dioxide} x\ 100$ 

Plug in values!:

Perecent Increase = 
$$\frac{15}{301}x$$
 100 = 4.98%

