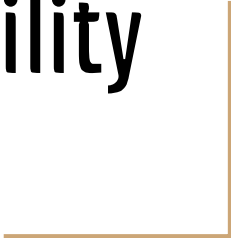


**Relationship  
Between  
Our Energy Use  
& Sustainability**



# Energy Review

- What is energy?
- What are the types of energy?
- What renewable and nonrenewable resources do we use to create energy?

# Sustainability

the ability to maintain our natural resources at a certain rate or level in order to keep ecological balance



Sustainable living encourages us to \_\_\_

consider the impact of our energy use through

2 concepts:

our **ECOLOGICAL FOOTPRINT**

& our **CARBON FOOTPRINT**

# Ecological Footprint

a measurement of how fast we consume resources and generate waste

# The Ecological Footprint

MEASURES

how fast we consume resources and generate waste



Energy



Settlement



Timber & Paper



Food & Fiber



Seafood

COMPARED TO  
how fast nature can absorb our waste and generate new resources.



Carbon Footprint

Built-up land



Forest

Cropland & Pasture



Fisheries

# Carbon Footprint

the amount of carbon dioxide & other carbon compounds emitted due to the use of fossil fuels by an individual, company, country, etc.

(Our carbon footprint is a part of our ecological footprint.)

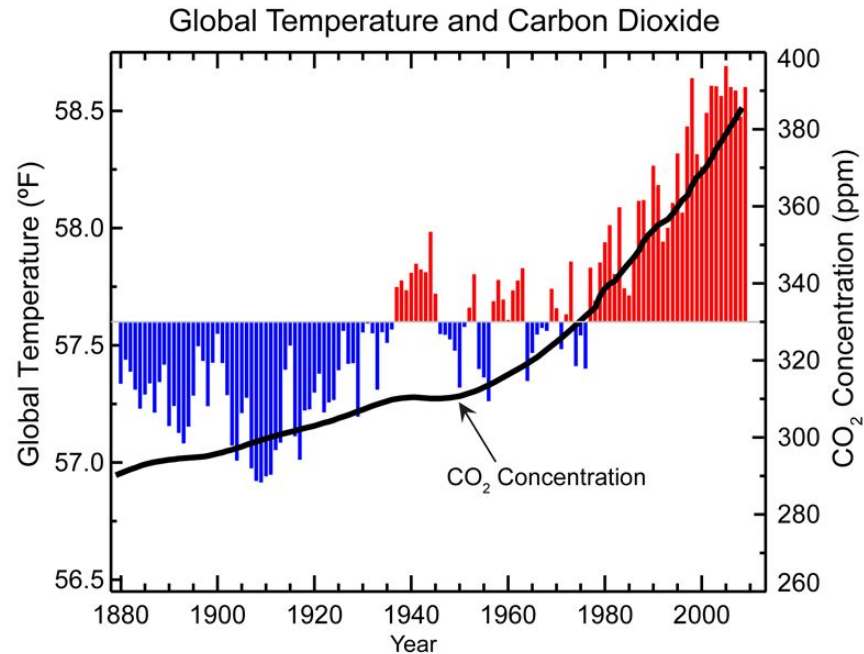
# the carbon footprint





# Climate Change

A change in the statistical distribution of weather patterns over an extended period of time



# Mindful Consumption

Intentionally thinking about the ecological footprint and/or carbon footprint of the products & services we consume in order to be more sustainable



THE BUYERARCHY  
of NEEDS