# ENVIRONMENTAL JUSTICE SCIENCE AND FAITH

## **God, The Creator**



"And God saw every thing that he had made, and, behold, it was very good..."

Genesis 1:31 (KJV)

King James Bible Online .or

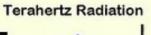
#### Its The LAW! (In Fact, Its the First Law)

Energy is neither created nor destroyed, it just changes form.

















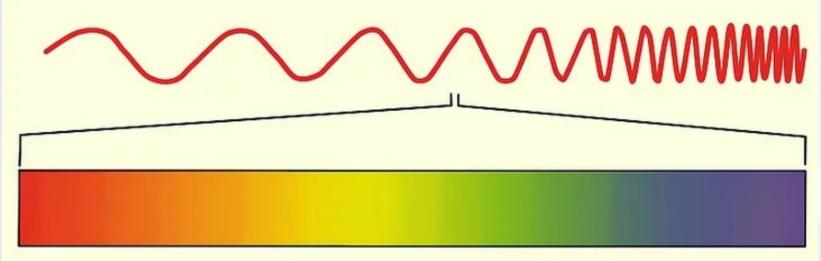
Microwaves

Infrared Light (IR)

Ultraviolet Rays (UV) Visible Light

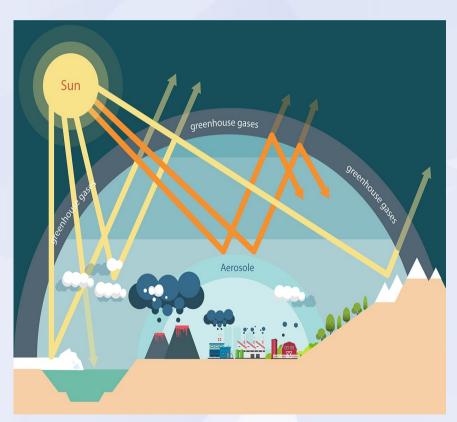
X-Rays

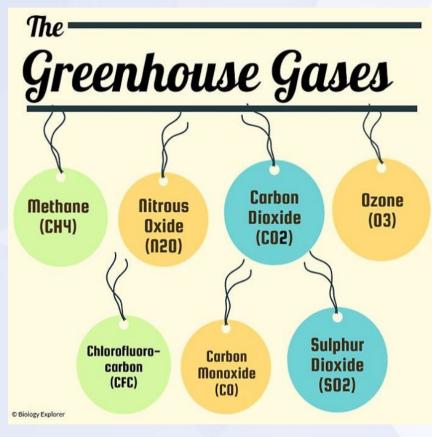
Gamma Rays



wiki How to Understand the Electromagnetic Spectrum

#### The Greenhouse Effect





# The Four Laws of Ecology

- Everything is connected to everything else.
- Everything must go somewhere.
- Nature knows best.
- · There is no such thing as a free lunch

Barry Commoner, 1917 - 2012

Photo (c) Elena Elisseeva/Shutterstock Images www.NaturalLifeMagazine.com

#### So, What's This Got To Do With Cows?



The Hiden Cost of Hamburger

Table Talk 1: Where did you see examples of Commoner's Four Laws of the Ecology demonstrated in the video?

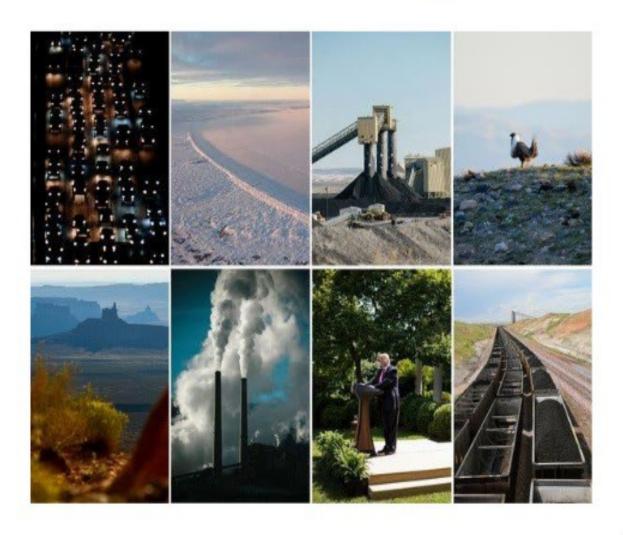
## The Four Laws of Ecology

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Photo (c) Elena Elisseeva/Shutterstock Images www.NaturalLifeMagazine.com

## Rollback of Federal GHG Regulations



https://www.nytimes.com/2019/08/29/climate/climate-rule-trump-reversing.html

## Paris Agreement

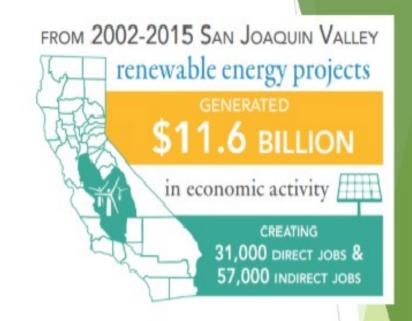
- Paris Agreement at United Nations Framework Convention on Climate Change
- Goal to keep global average temperature increase well below 2 degrees Celsius above pre-industrial levels
- Original US Commitment:
  - Achieve economy-wide target of reducing GHG emissions by 26-28% below 2005 baseline levels by 2025
  - Make best efforts to achieve 28% reduction
- June 1, 2017 Announcement of US Withdrawal
  - President Trump states, "will undermine (the U.S.) economy," and "puts (the U.S.) at a permanent disadvantage"
  - Earliest possible effective withdrawal date is four years after agreement came into effect in the US (11/4/2020)
- Resulted in formation of the US Climate Alliance

#### **US Climate Alliance**

- Bipartisan coalition of 25 governors
- Current Members
  - CA, CO, CT, DE, HI, IL, ME, MD, MA, MI, MN, MT, NV, NJ, NM, NY, NC, OR, PA, PR, RI, VT, VA, WA, WI
  - https://www.usclimatealliance.org/
- Members commit to:
  - Implement policies that advance the goals of Paris Agreement (i.e., reduce GHG by at least 26-28% below 2005 by 2025)
  - Track and report progress to the global community in appropriate settings including when world convenes to take stock of the Paris Agreement, and
  - Accelerate new and existing policies to reduce carbon pollution and promote clean energy deployment at the state and federal level

# Progress in California

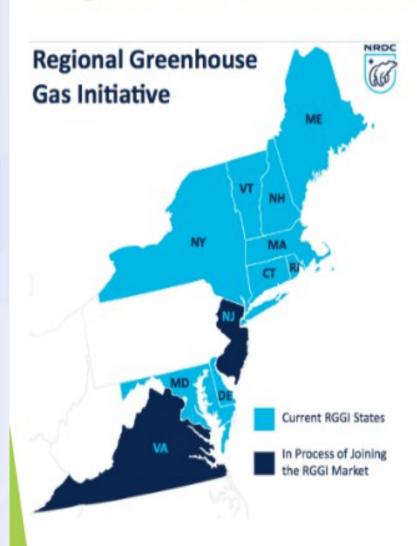
- California Cap and Trade in place since 2012
- As of 2020, has reduced CA GHG inventory to 1990 levels
- New target to reduce emissions to 40% below 1990 levels

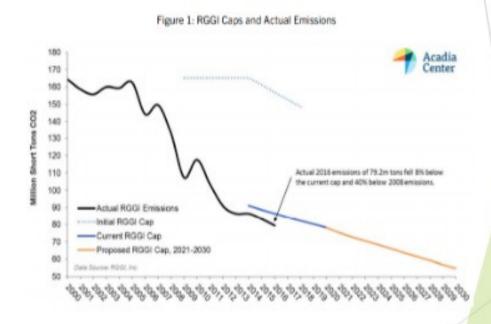






#### Northeastern/Mid-Atlantic States -Regional Greenhouse Gas Initiative (RGGI)





"The buildup of greenhouse gases we experience today occurred in the absence of human understanding; our ancestors were innocent of the damage they were doing. That can tempt us to believe that global warming is something that is happening to us that we are victims of a fate that was determined by actions that precede us. If we change the preposition, and consider that global warming is happening *for* us - an atmospheric transformation that inspires us to change and reimagine everything we make and do we begin to live in a different world. We take 100% responsibility and stop blaming others. We see global warming not as an inevitability, but an invitation to build, innovate, and effect change, a pathway that awakens creativity, compassion, and genius. This is not a liberal agenda, nor is it a conservative one. This is the human agenda."

- Paul Hawken, Former Executive Director of Project Drawdown

## Project Drawdown TED Talk

Table Talk 2. Care for the Creation. What practices can you develop that will make your food choices less impactful on the Creation?



