

# **Impact of Our Energy Use on Wildlife, their Habitat, & the Ecosystem**

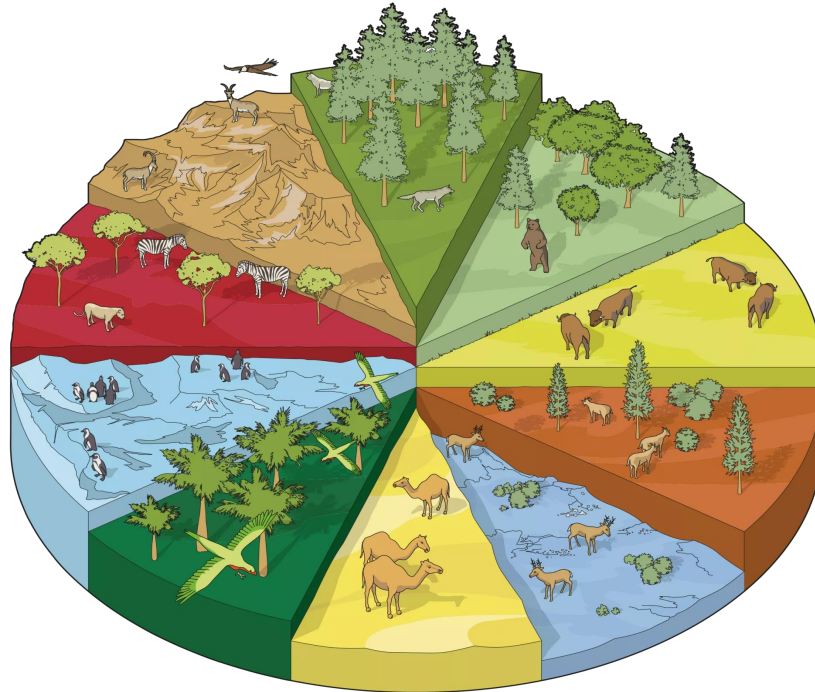
# Ecology

The branch of science studying the interrelationships between organisms and the environment



# Habitat

The natural environment in which a particular organism lives



# Ecosystem

An interdependent community made up of living organisms and their environment, including the land, air, water, and minerals

- Living organisms are often referred to as *biotic entities/components*.
- Non-living organisms are often referred to as *abiotic entities/components*.

# Components of Ecosystem

## Abiotic components

### Physical factors

- Temperature
- Humidity
- Light
- Atmospheric pressure

### Inorganic substances

Water  
Oxygen  
Carbon dioxide  
Nitrogen

### Organic substances

Proteins  
Carbohydrates  
Lipids

## Biotic components

Producers  
(Green plants)

Consumers  
(Animals)

Decomposers  
(Microorganisms)



**Energy Use =  
Negative Impacts on Wildlife, their  
Habitat, the Ecosystem**

# Which energy sources are the least harmful?

- Oil
- Natural gas
- Nuclear (uranium)
- Biofuel (like corn)
- Hydropower
- Solar
- Coal
- Wind