

# SOURCES OF CARBON DIOXIDE

## HUMAN



## NATURAL



# HUMANS

- **Burning fossil fuels** (coal, oil, natural gas)
  - Fossilized, buried remains of dead organisms
  - High carbon content
- Alternate **renewable** technologies provide zero-low greenhouse gas emissions
  - Nuclear, hydropower, solar, wind, & biofuel
- Forests can offset emissions through carbon storage
- **Agriculture management**
  - Increases **carbon storage** through better crop rotations, manure/compost addition, and improved grazing land management

# NATURAL FACTORS

- **Respiration** from plants and animals
- Large **volcanic eruptions**
  - In geologic past, large releases of greenhouse gases sometimes contributed to global warming
  - Present day volcanoes release less than 1% of the emissions caused by humans
- **Wildfires**
  - Release all the carbon stored in the vegetation



**Forest management**, like controlled burning and harvesting of trees, can prevent wildfires.

