



# Global Warming

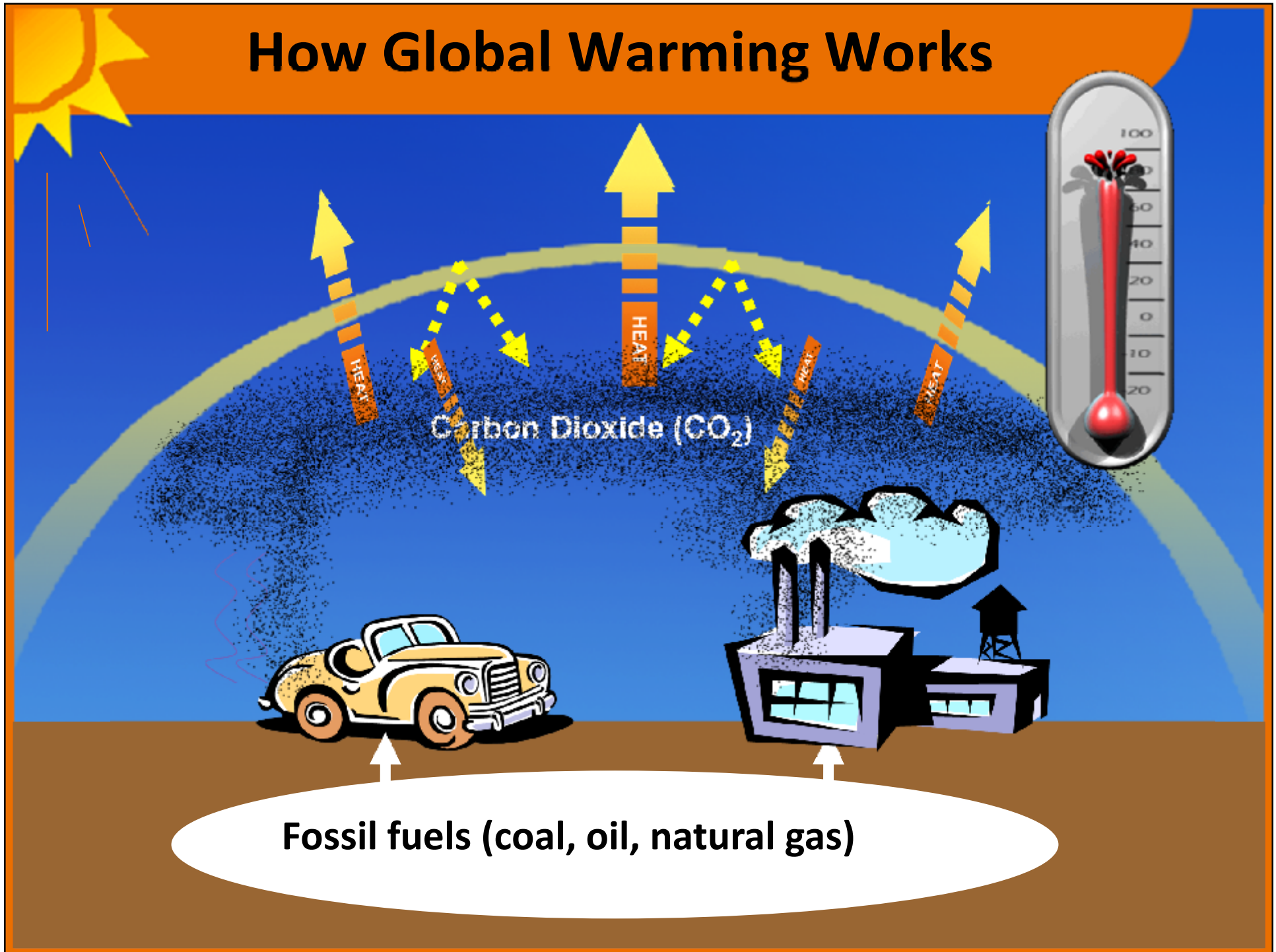


# What is global warming?

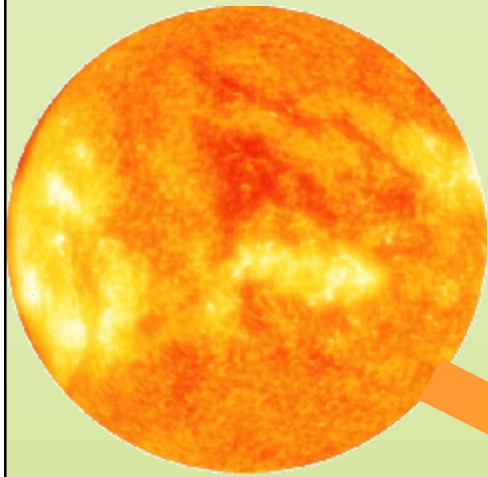
**Global warming** is the increase in the average temperature of Earth's near-surface air and oceans since the mid-20th century and its projected continuation.



# How Global Warming Works



# Example of the Greenhouse Effect



The Sun's energy passes through the car's windshield.

This energy (heat) is trapped inside the car and cannot pass back through the windshield, causing the inside of the car to warm up.





What's the difference between  
“global warming” and “climate  
change”?



# Difference

## GLOBAL WARMING

is the increase of the Earth's average surface temperature due to a build-up of greenhouse gases in the atmosphere.



## CLIMATE CHANGE

is a broader term that refers to long-term changes in climate, including average temperature and precipitation.



# Effects of Global Warming

Rising Sea Level



Increased Temperature



Habitat Damage and Species Affected



# Colorado River

- Arizona



June 2002

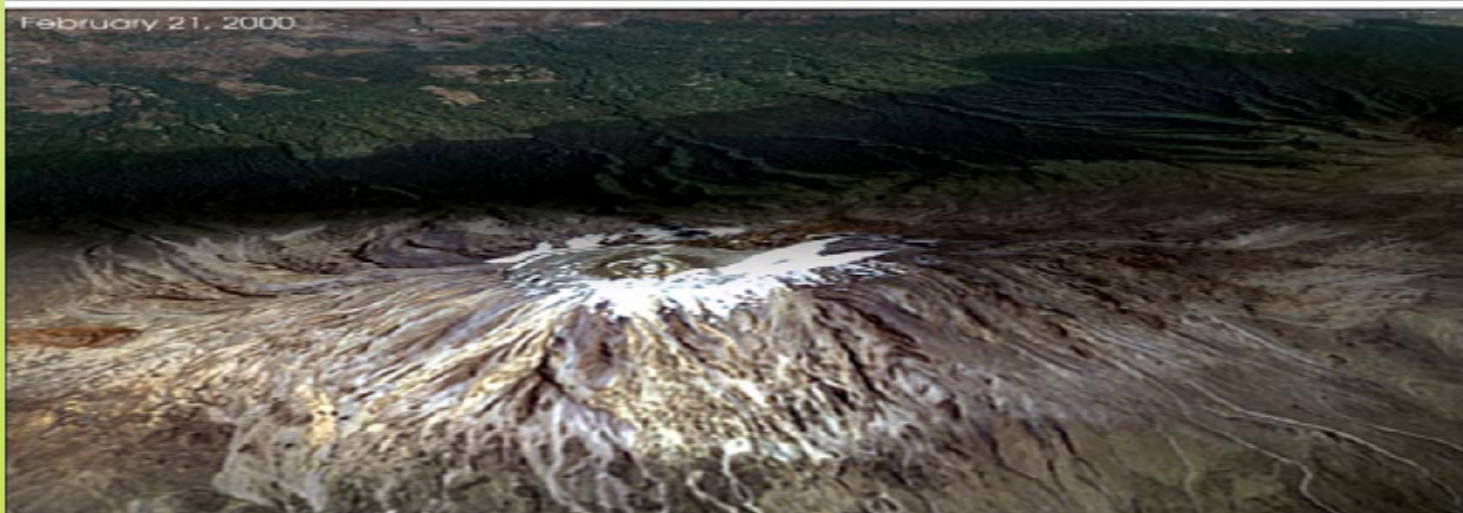
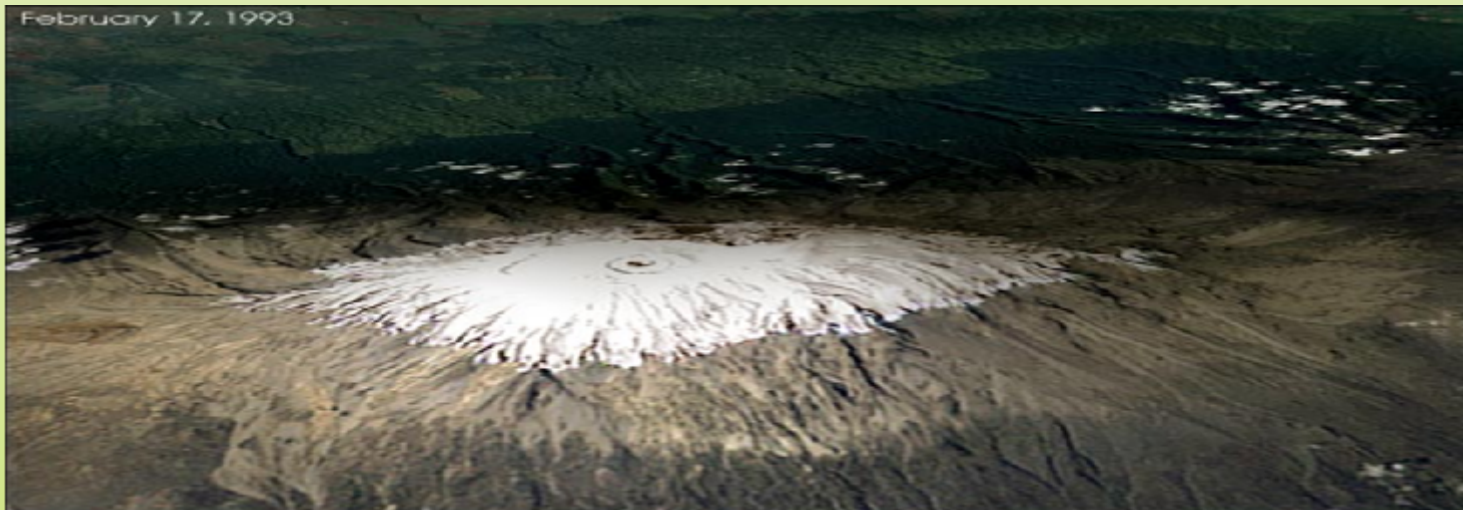


Dec 2003





# Kilimanjaro

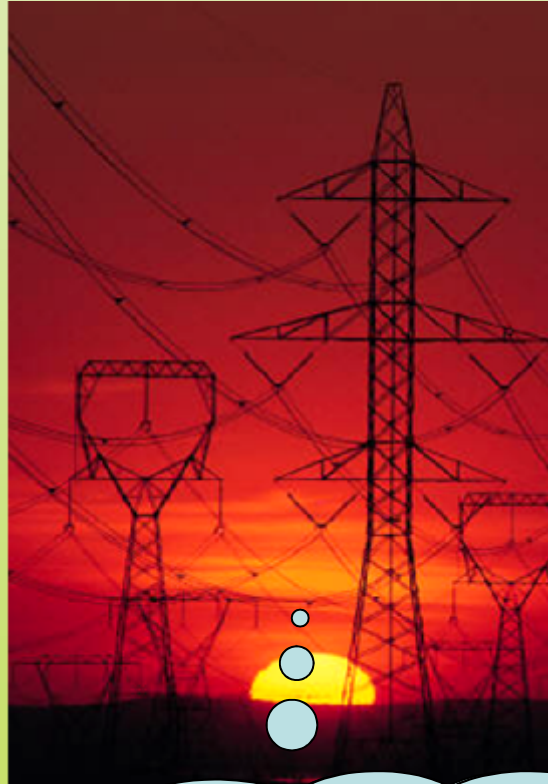


Why is global warming  
happening?





# Burning of Fossil Fuels



**Pollution from coal,  
natural gas, and oil**

**How is global  
warming  
measured?**

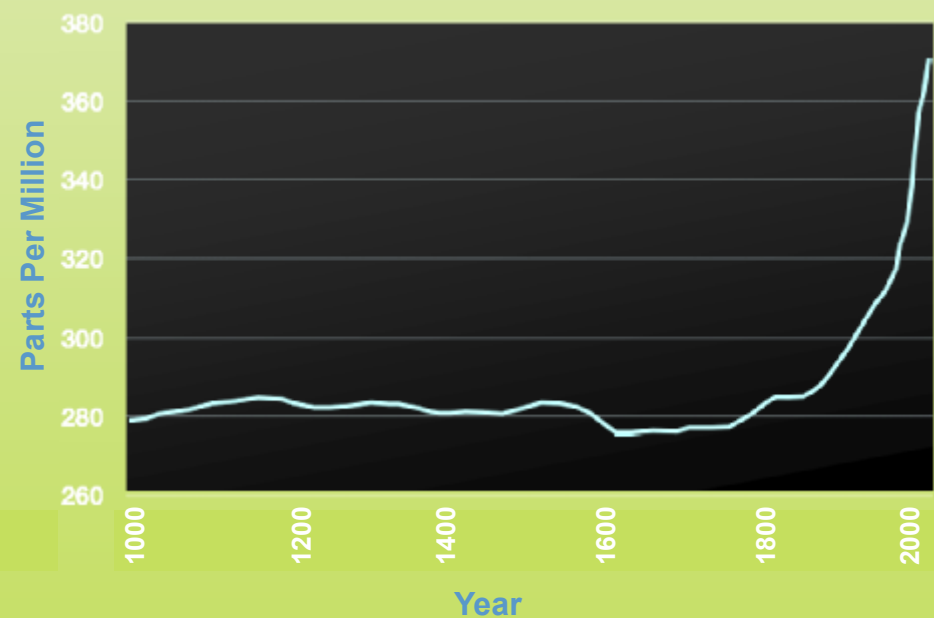


# 1000 Years of CO<sub>2</sub> and Global Warming

## Temperature (Northern Hemisphere)



## CO<sub>2</sub> Concentrations



# What's being done now to reduce our emissions?



Wind Power



Solar Power



Fuel-Efficiency



# We can stop global warming!



**YES  
WE  
CAN  
!**

**What can you do to help solve  
the problem?**



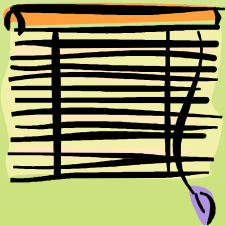


# Simple Things To Do



Turn off your computer or the TV when you're not using it.

Take shorter showers. Heating water uses energy.



Keep rooms cool by closing the blinds, shades, or curtains.

Turn off the lights when you leave a room.



Use compact fluorescent bulbs.

# Simple Things To Do



Dress lightly when it's hot instead of turning up the air conditioning. Or use a fan.

Dress warmly when it's cold instead of turning up the heat.



Offer to help your parents keep the air filters on your AC and furnace clean.

Walk short distances instead of asking for a ride in the car.



Plant a tree.



**Recycle.**





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