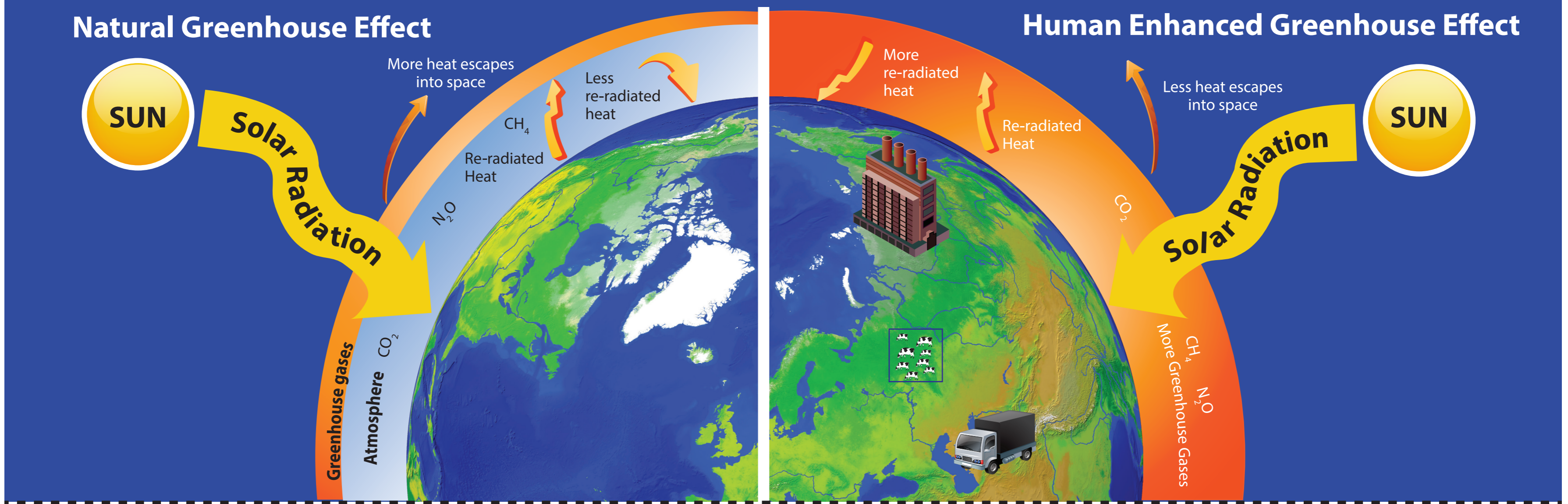
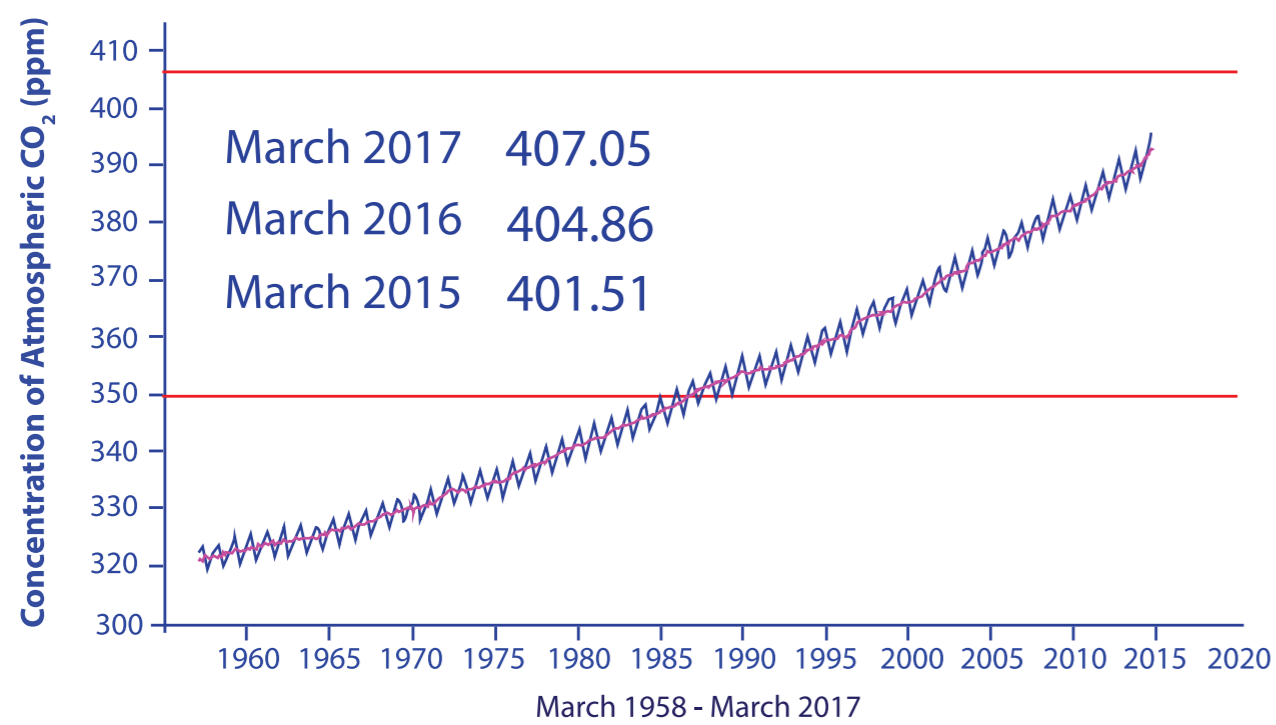


What is Greenhouse Effect?



ATMOSPHERIC CONCENTRATION OF CARBON DIOXIDE MEASURED AT MAUNA LOA* HITS NEW HIGH IN 2017



*The Mauna Loa Observatory is the world's oldest continuous CO₂ monitoring station situated on the island of Hawaii.

Greenhouse Gas	Chemical Formula	Anthropogenic Sources	Atmospheric Lifetime (years)
Carbon Dioxide	CO ₂	Fossil-fuel combustion, Land-use conversion, Cement Production	~100
Methane	CH ₄	Fossil fuels, Rice paddies, Waste dumps	12
Nitrous Oxide	N ₂ O	Fertilizer, Industrial processes, Combustion	114
Tropospheric Ozone	O ₃	Fossil fuel combustion, Industrial emissions, Chemical solvents	hours-days
CFC-12	CCL ₂ F ₂	Liquid coolants, Foams	100
HCFC-22	CCl ₂ F ₂	Refrigerants	12
Sulfur Hexafluoride	SF ₆	Dielectric fluid	3,200

Global Evidence of Climate Change

Global Temperature Rise

Shrinking Ice Sheet

Increase Frequency of Extreme Events

Warming Oceans

Accentuated Coral Bleaching

Ocean Acidification

Increasing Sea Level

Water Scarcity

Decreased Snow cover

