

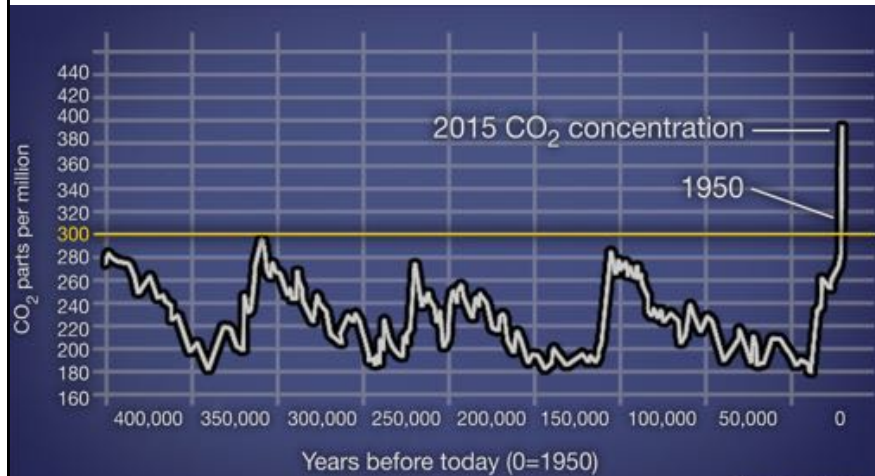
Global Change and Course Review



Intro to Environmental Science
DartmouthX

Global change:

change that occurs in the
chemical, biological and physical
properties of Earth



NASA, 2013

Infrared
radiation

Greenhouse
gases



Global Warming Potential (GWP):

amount of infrared energy that
a given gas will absorb or retain

Greenhouse gases

carbon dioxide (CO₂)

methane (CH₄)

nitrous oxide (N₂O)

Current atmospheric
carbon dioxide concentration:
400 parts per million (ppm)