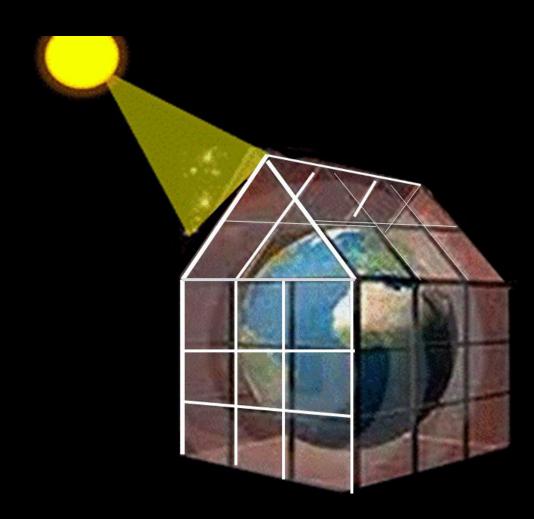


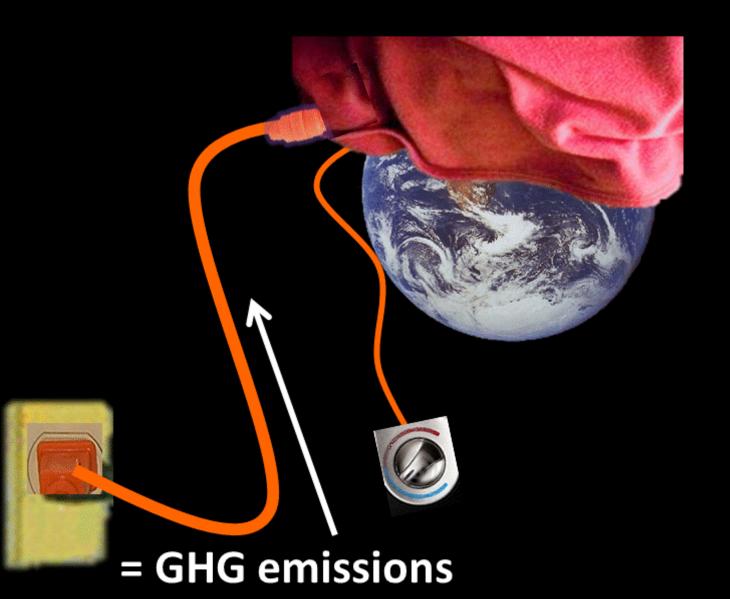
Greenhouse gases GHGs) in the atmosphere have a heat trapping effect, like the glass of a greenhouse traps heat from the sun, heating up the greenhouse. Light energy passes easily through glass into the greenhouse but the heat energy cannot pass through the glass well.

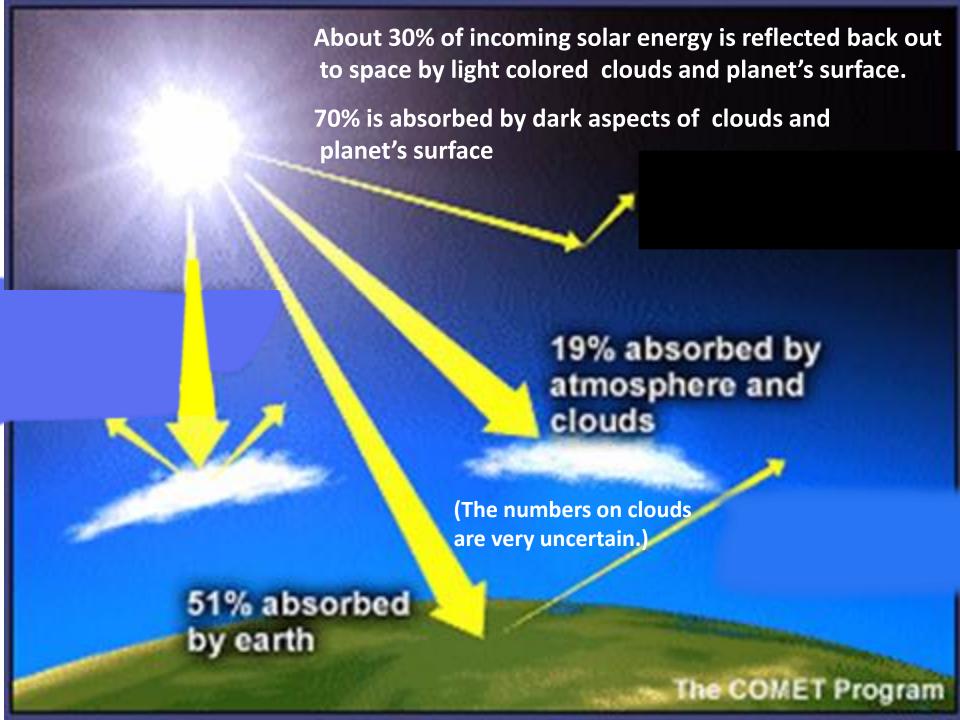


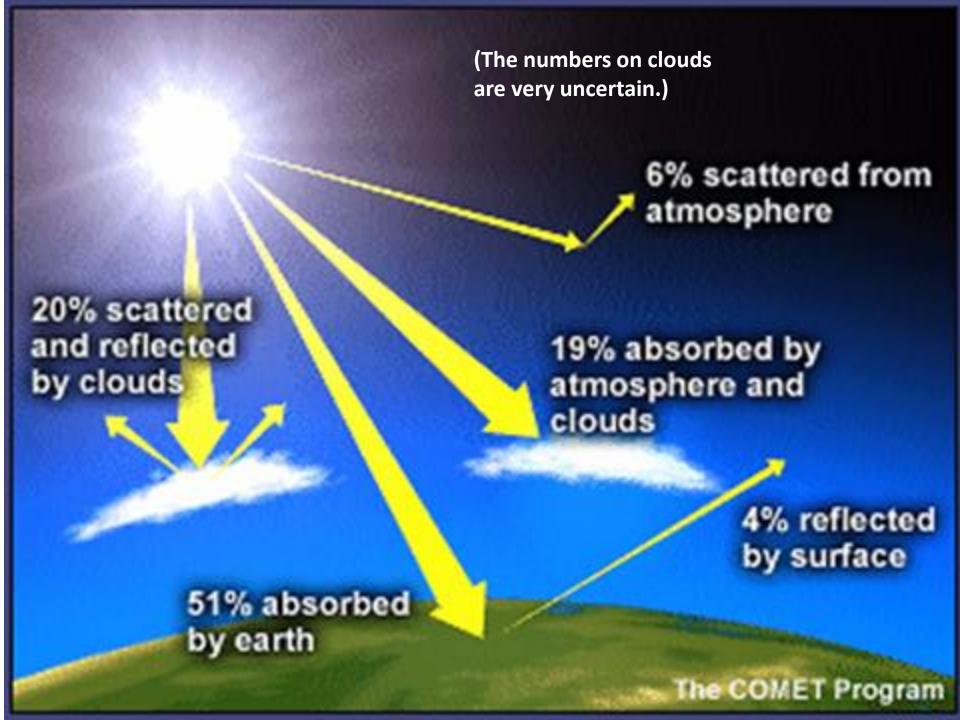
## **Insulating scarf effect**

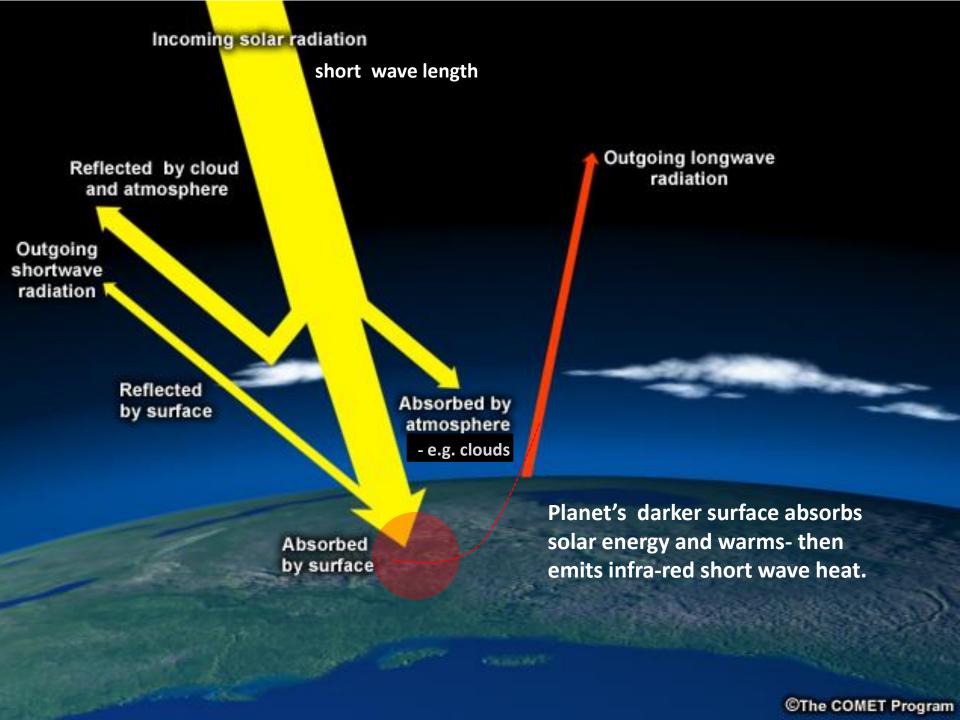


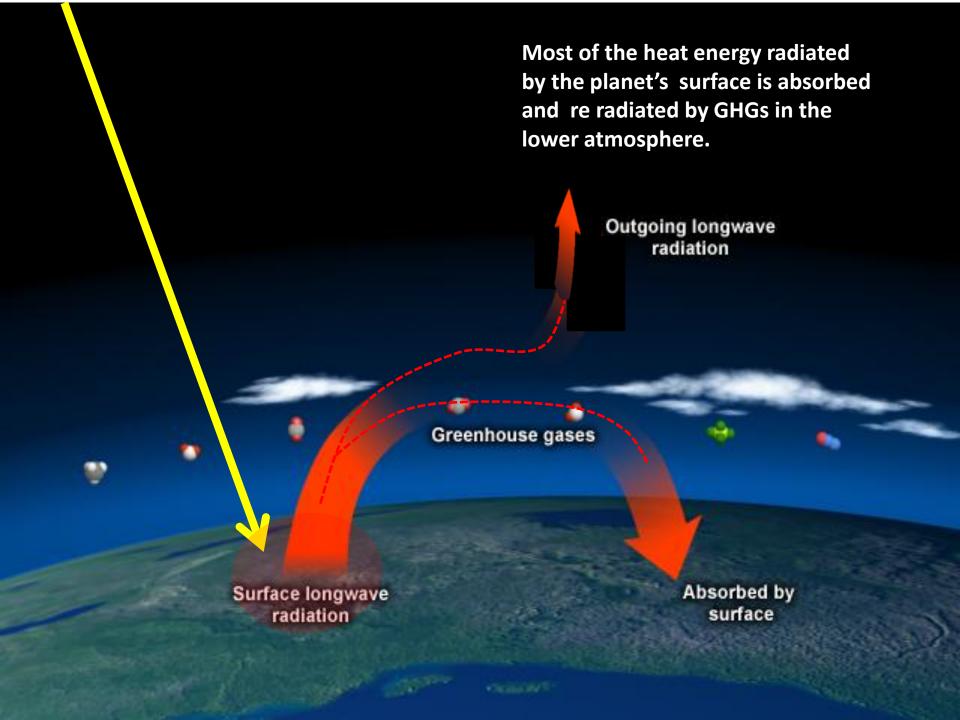
## **Electric blanket effect**

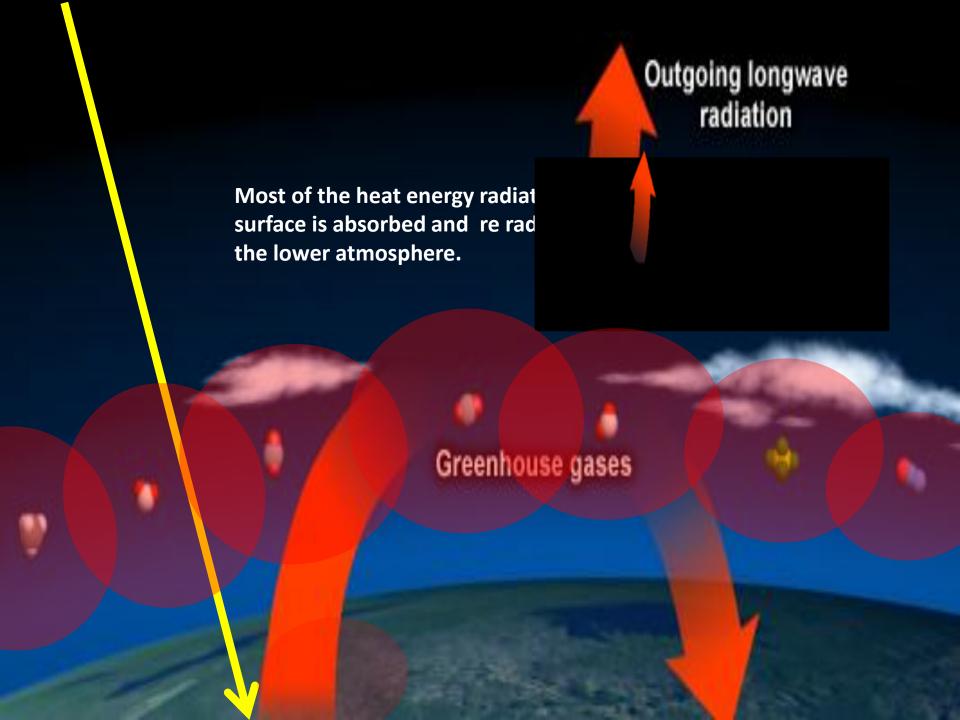


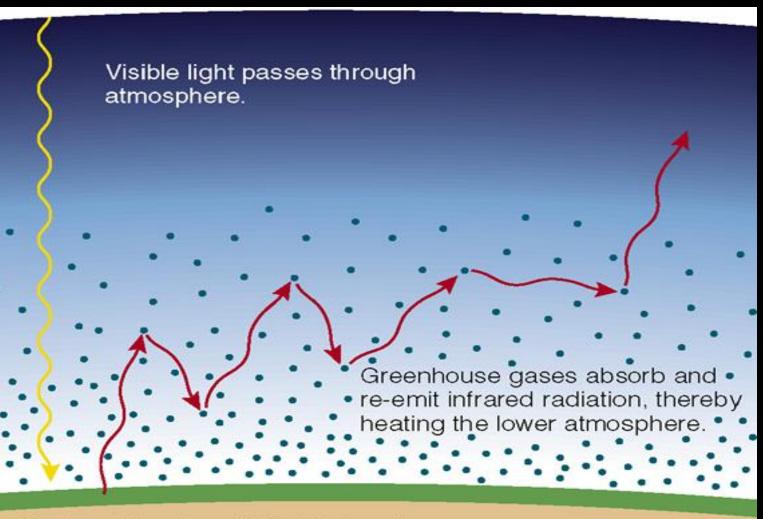




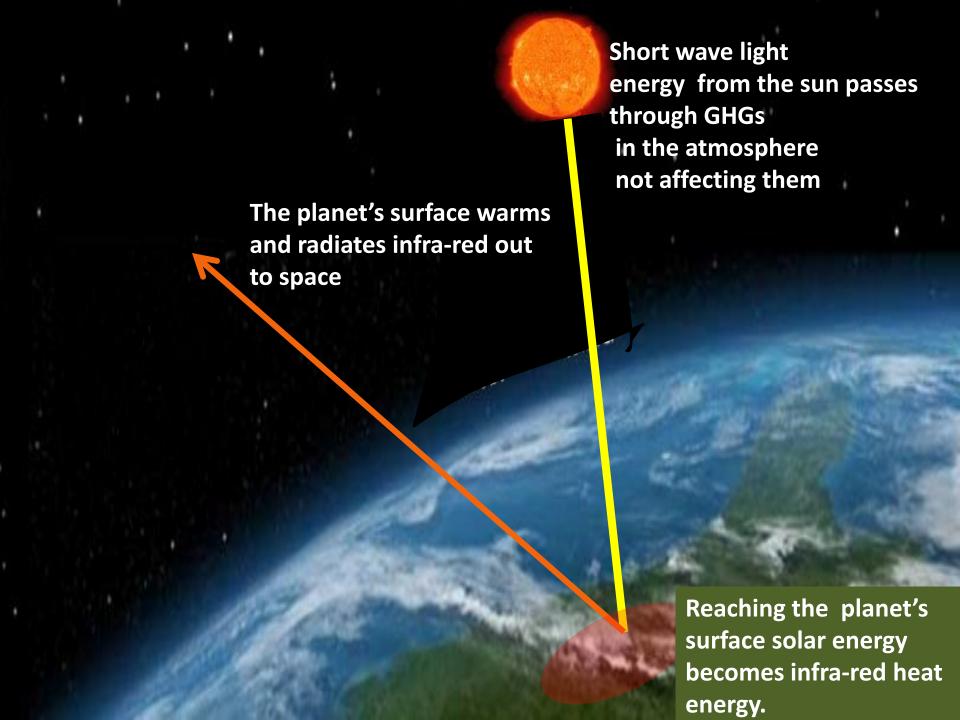


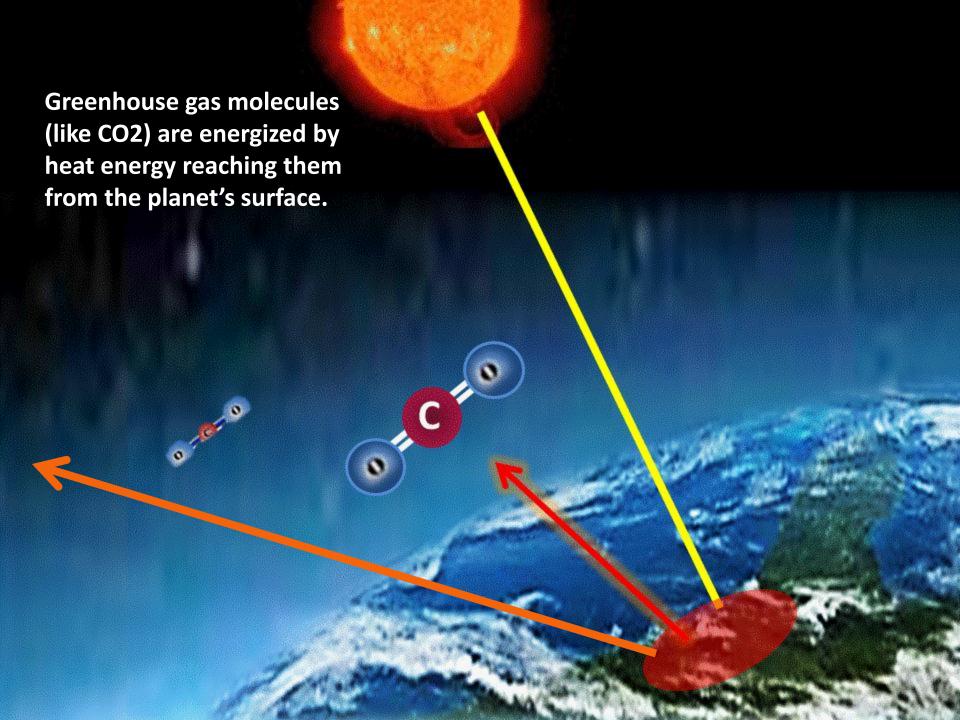


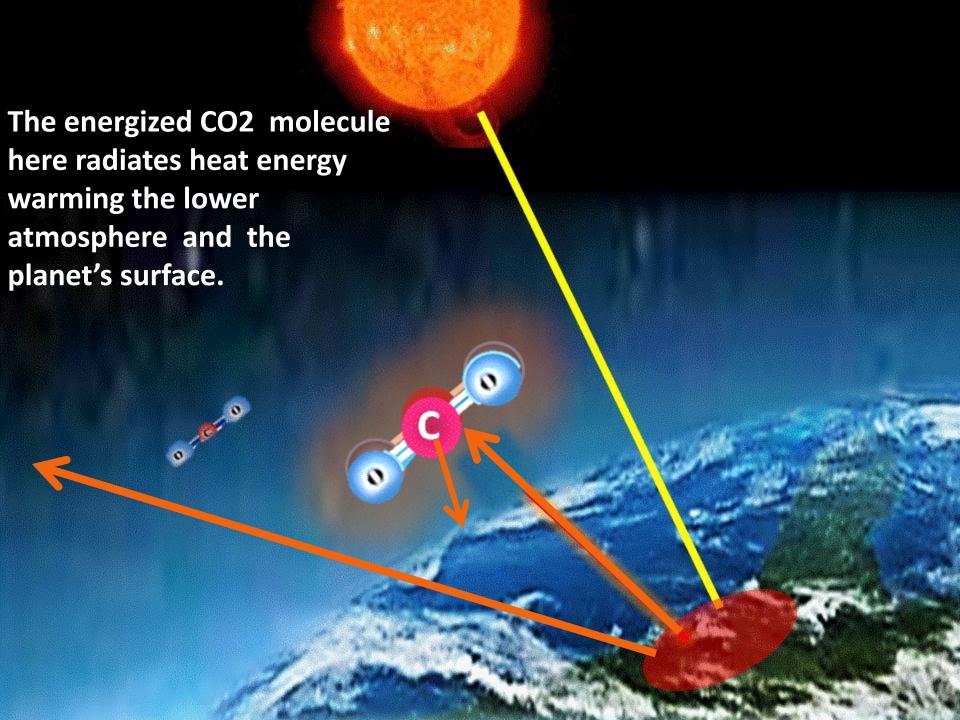


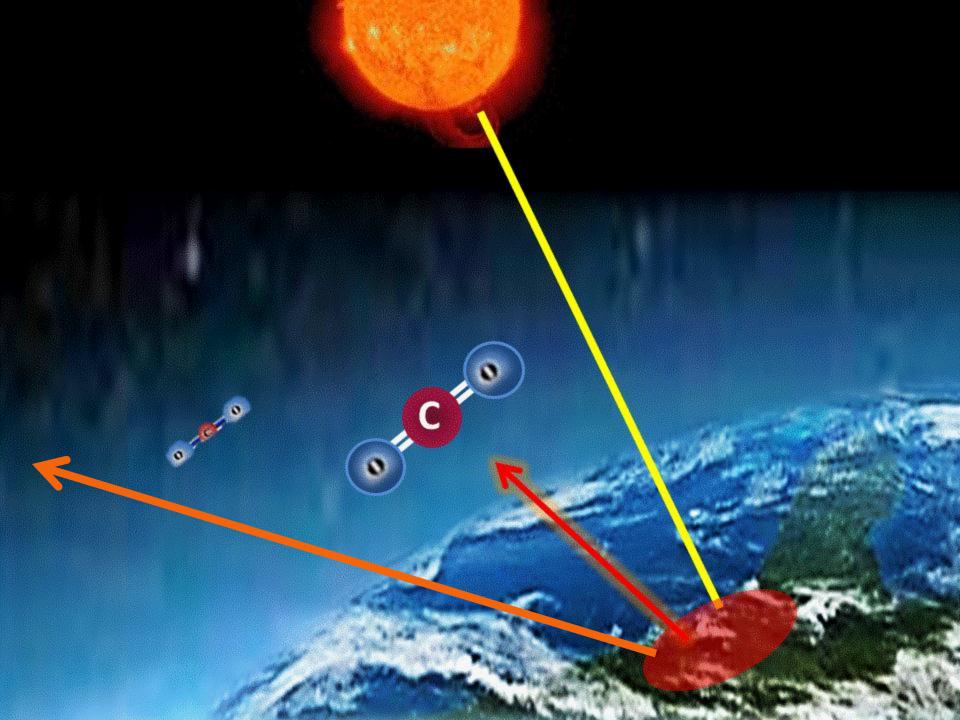


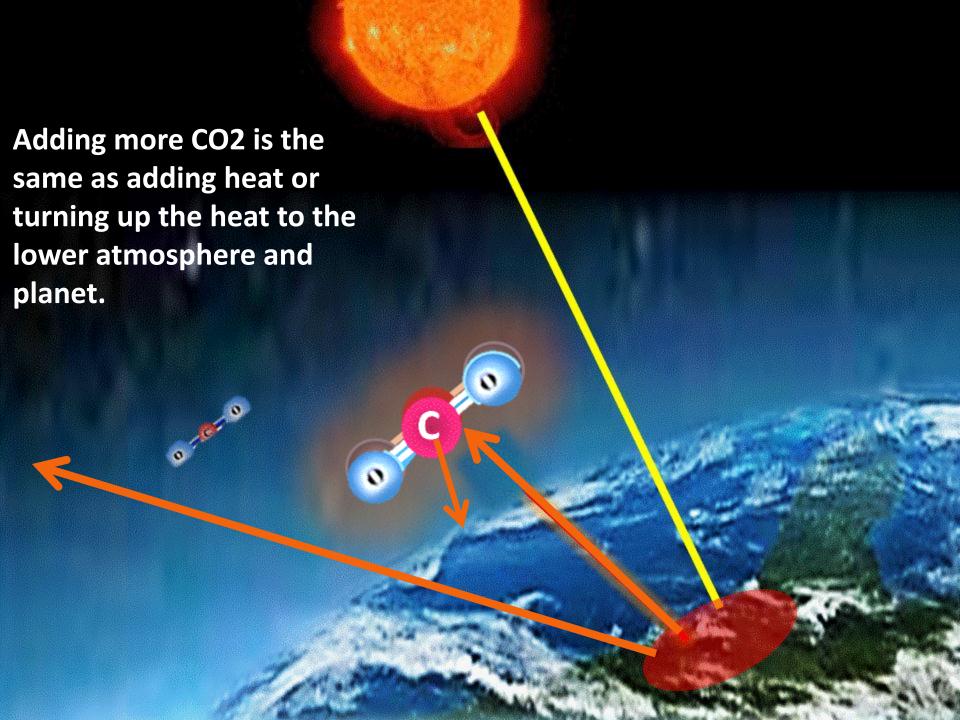
Surface absorbs visible light and emits thermal radiation in infrared.



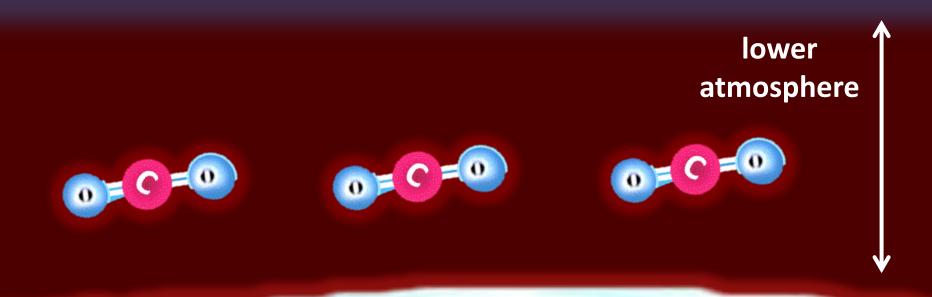








The energized GHG molecules warm the lower atmosphere and so warm the planet's surface.



## Earth

