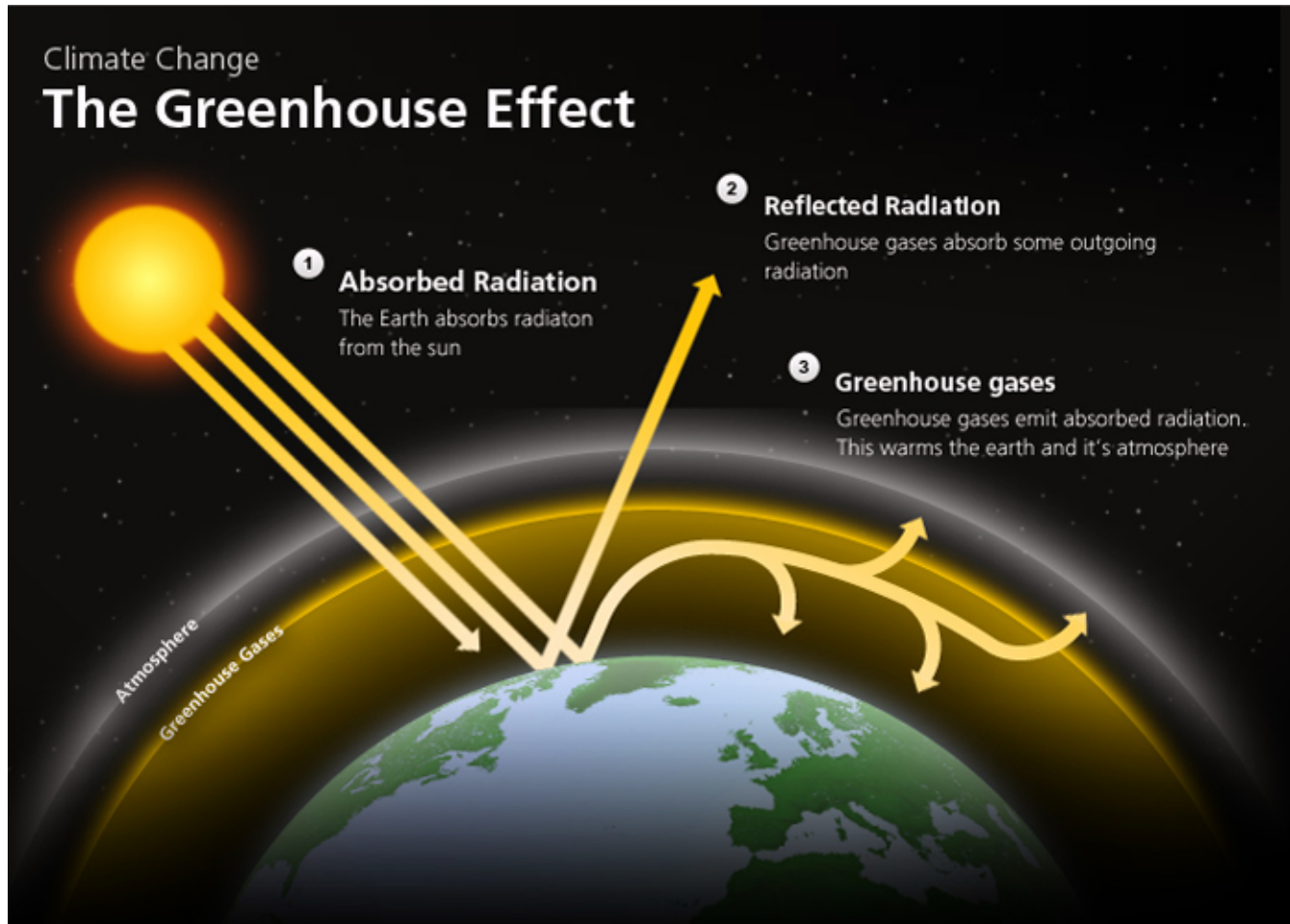


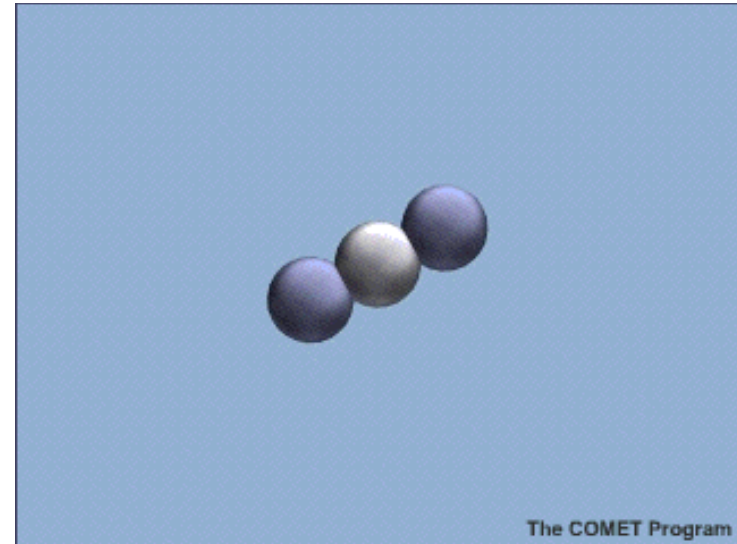
Heat Transfer Part 4

The Greenhouse Effect



CO₂ and Infrared Radiation

1. Infrared radiation comes in.
2. Absorbed by carbon dioxide molecule, which starts vibrating.
3. New infrared radiation then released by molecule in response to vibration.



The incoming radiation comes FROM the Earth. The new outgoing radiation goes in ALL directions however, so some of it is reflected back to Earth through this process, keeping it trapped.

Polar Ice Caps Melt

