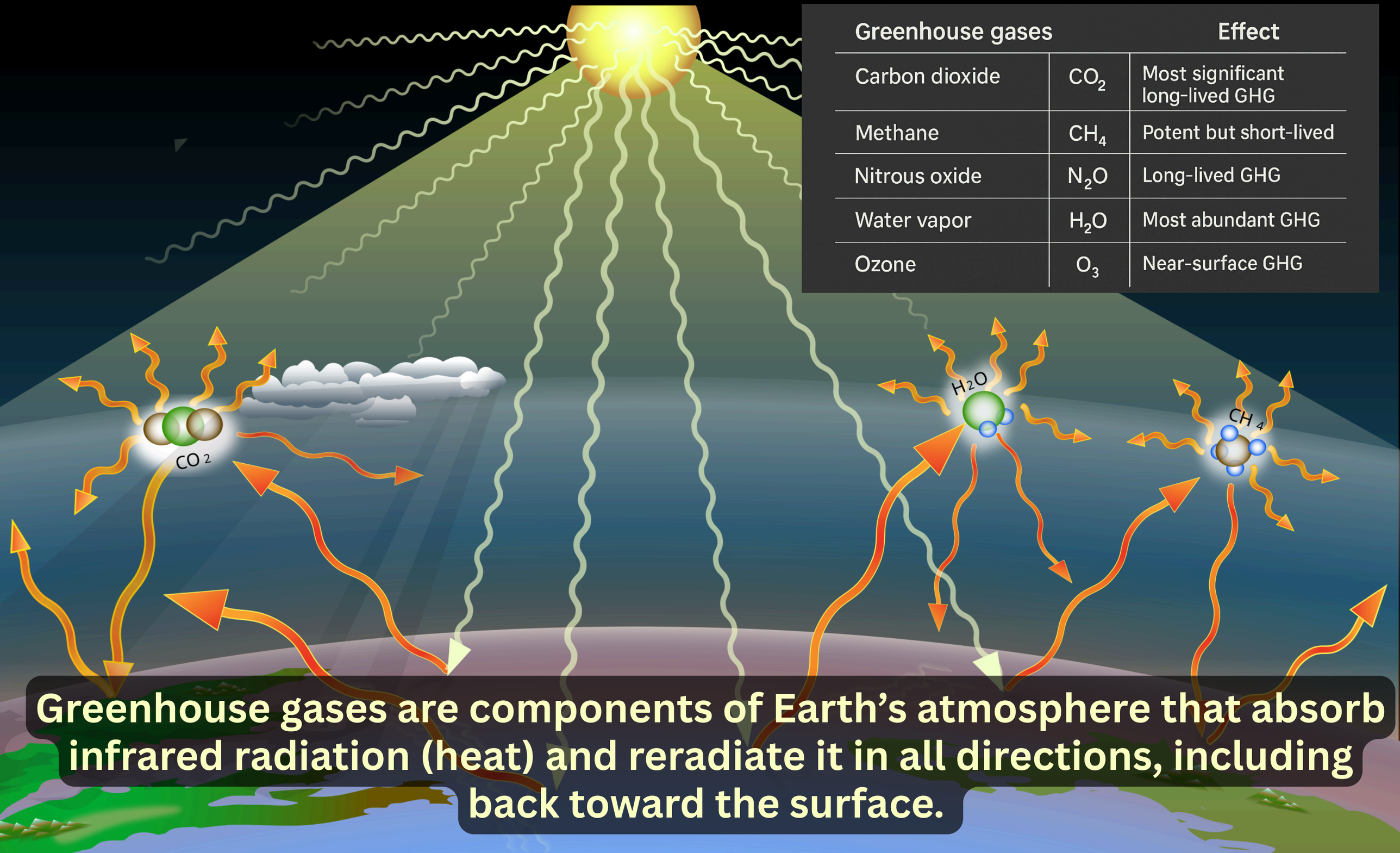
Greenhouse Gases

Greenhouse gases		Effect
Carbon dioxide	CO_2	Most significant long-lived GHG
Methane	CH_4	Potent but short-lived
Nitrous oxide	N_2O	Long-lived GHG
Water vapor	H_2O	Most abundant GHG
Ozone	O_3	Near-surface GHG



Greenhouse gases are components of Earth's atmosphere that absorb infrared radiation (heat) and reradiate it in all directions, including back toward the surface.