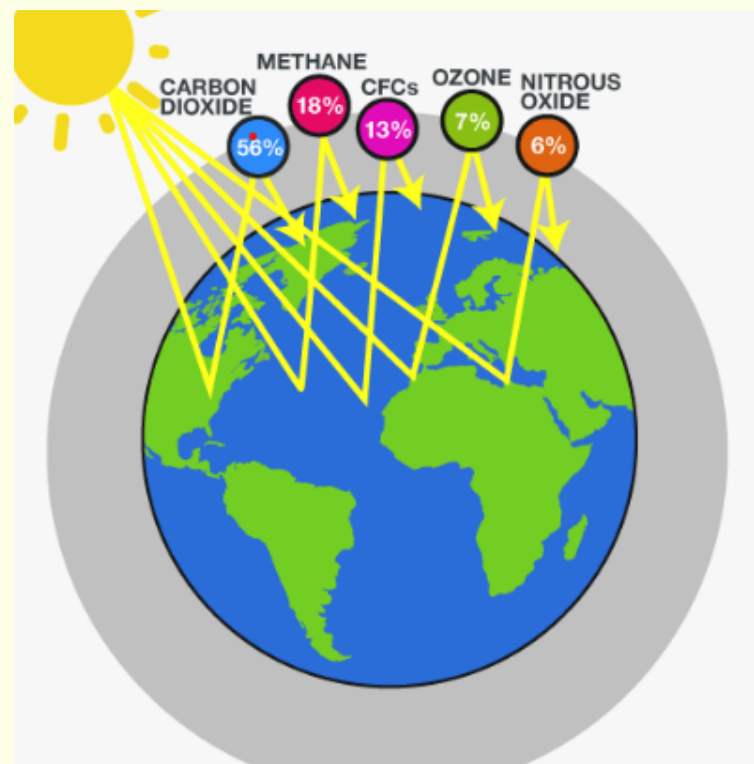


# Greenhouse gases: Causes

**Greenhouse gases are the gases that absorb infrared radiations that insulate the surface of the earth, preventing it from freezing. However, increased levels of such gases has led to increase in temperature of the earth, thus having drastic effects.**



## MAJOR CAUSES INCLUDE:

**1**

### Generating electricity

Most electricity is generated by burning fossil fuels, which emits a large chunk of powerful greenhouse gases. Globally, only about a quarter of electricity comes from renewable sources.

**3**

### Land use & Forestry

Cutting down forests causes emissions, since trees, release the stored carbon when cut. Also, land areas can act as a sink absorbing CO<sub>2</sub>. All this causes roughly a quarter of global greenhouse gas emissions.

**2**

### Transportation

Most cars, trucks, ships, and planes run on fossil fuels, making transportation a major contributor of greenhouse gases. It accounts for nearly one quarter of global carbon-dioxide emissions.

**4**

### Commercial & Residential

Includes fossil fuels burned for heat, refrigeration, cooling in buildings, handling of waste, consumption of goods such as clothing, electronics, and plastics etc. A large chunk global emissions is linked to our households.

**5**

### Manufacturing industry

Here, emissions are from burning fossil fuels to produce energy for making things, industrial chemical processes, machines used etc. It is a major greenhouse gas emission contributor worldwide.

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