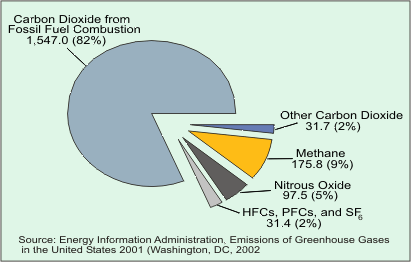
**2.6.2b Greenhouse Effect**

* **Climate Change**
  + All life on Earth depends on climate conditions like and .
  + Our planet is getting —the 2000s were the warmest decade ever recorded. The term used to describe this increase in the average temperature of the Earth is .
  + Scientists are trying to determine if this is a of climate change or if it is caused by
* **Greenhouse Effect**
  + The is a natural warming of both Earth’s lower atmosphere and Earth’s surface from solar radiation being absorbed and emitted by the atmosphere.
  + The most widely accepted hypothesis is that global warming is at least partially due to human activities that add and other to the atmosphere.
    - Other greenhouse gasses include:

      * Carbon Dioxide (CO2)

*Draw a diagram of the Greenhouse Effect:*

*What do you think?*

* **Global Warming**
  + According to this hypothesis, the burning of combined with cutting and burning of worldwide is adding carbon dioxide to the atmosphere faster than it can be removed in the .
  + This causes heat from the sun to be trapped in the air instead of being bounced back into space, which makes the planet warmer.
* Why do we focus on CO2?
  + We emit more than any other greenhouse gas.
  + While other gasses may trap more like methane, they are harder to (“natural sources”)
  + Acid Rain
    - Forms when \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (remember from our NASA Satellite images) and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_are released into the air.
    - These mix in the clouds to form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which can affect the acidity of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, harm wildlife, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.