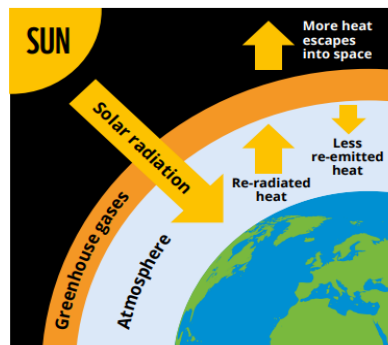


Greenhouse gases

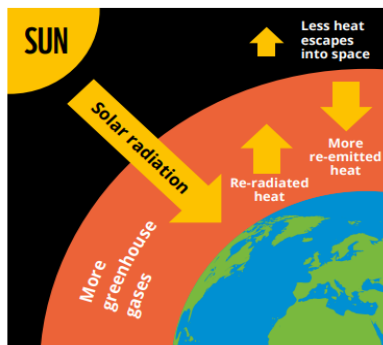
1. Water Vapour
2. Carbon Dioxide
3. Nitrous Oxide
4. Methane

Impact of climate change:

1. Sea Level Rises
Global sea level has risen by about 8 inches since reliable record keeping began in 1880.
2. Warming Oceans
The top 700 meters of the ocean has shown a warming of 0.302 degrees Fahrenheit since 1969.
3. Shrinking Ice Sheets
Greenland and Antarctic ice sheets have decreased in mass significantly. Greenland lost 150 to 250 cubic kilometres of ice between 2002 and 2006.
4. Extreme Weather Events
Intensity, frequency and duration of North Atlantic hurricanes have all increased since early 1980's.
5. Lack of food
The number of hungry people worldwide has recently grown to 821 million and this number is expected to continue to rise if countries fail to tackle climate change.



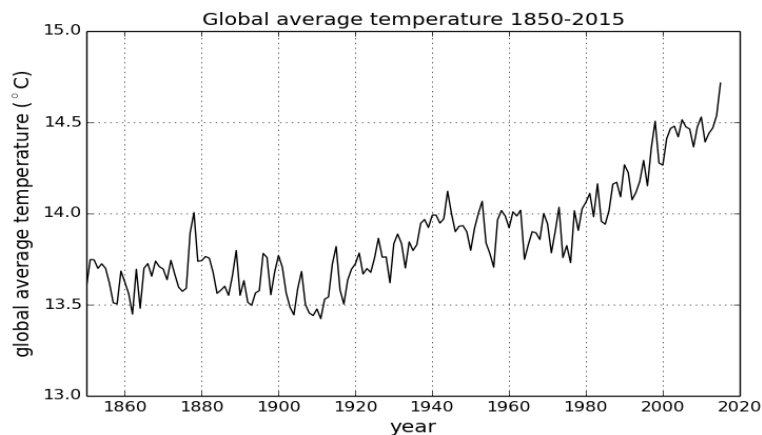
**NATURAL
GREENHOUSE EFFECT**



**INCREASED GLOBAL WARMING
CAUSED BY HUMAN ACTIVITY**

Top 5 countries for greenhouse gas emissions:

1. China
2. USA
3. India
4. Russia
5. Japan



Vocabulary

1. Climate change
When there is a big difference in normal climate patterns over a long amount of time. The Earth's climate appears to be changing very fast, something that has not happened since the end of the last ice age, 10,000 years ago.
2. Atmosphere
Gases surrounding the earth or another planet.
3. Greenhouse Effect
The trapping of the sun's warmth in a planet's lower atmosphere.
4. Fossil Fuels
A natural fuel such as coal or gas, formed in the geological past from the remains of living organisms.
5. Carbon Footprint
The amount of carbon dioxide released into the atmosphere as a result of the activities of a particular individual, organisation, or community.
6. Developing Country
A poor agricultural country that is seeking to become more advanced economically and socially.
7. Developed Country
Is a country that has a developed economy.
8. Agriculture
The science or practice of farming, including cultivation of the soil for the growing of crops.
10. Yields
Produce or provide a natural, agricultural product.
11. Climate Change Adaption
Anticipating the adverse effects of climate change and taking appropriate action to prevent or minimise the damage they can cause.