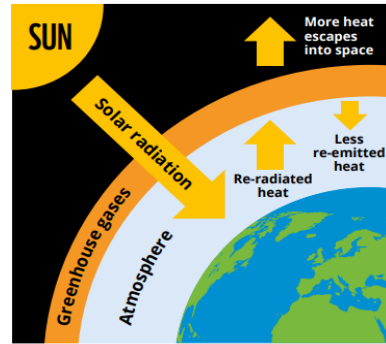


Greenhouse gases

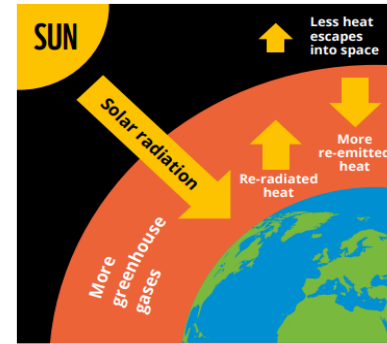
1. Water Vapour
2. Carbon Dioxide
3. Nitrous Oxide
4. Methane

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. |



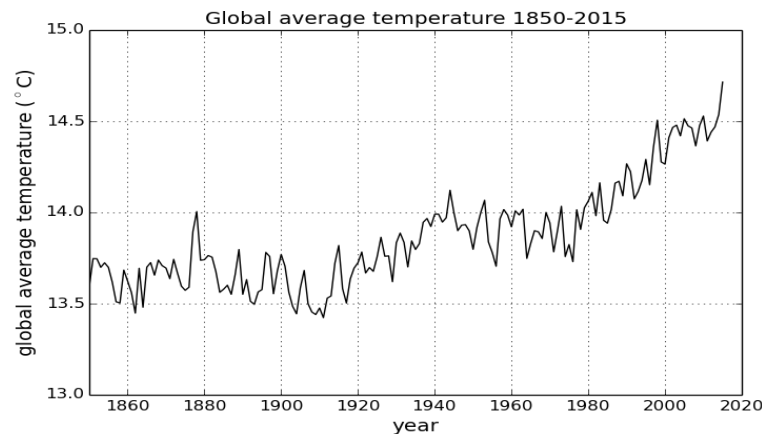
**NATURAL
GREENHOUSE EFFECT**



**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. |