

1. What is the green house effect?

1.

The greenhouse effect is the process responsible for trapping part of the heat that arrives to Earth from the Sun.

2. What causes the greenhouse effect?

2.

The **ATMOSPHERE** is a layer of several types of gases that surrounds the Earth. Some of these gases have the super-power to trap heat and they receive the name of '**GREEN HOUSE GASES**' since they are the responsible for the green house effect.



<https://climatekids.nasa.gov/greenhouse-effect/>

The main **greenhouse gases** are:

- Water Vapor H_2O
- Carbon Dioxide CO_2
- Methane CH_4
- Ozone O_3

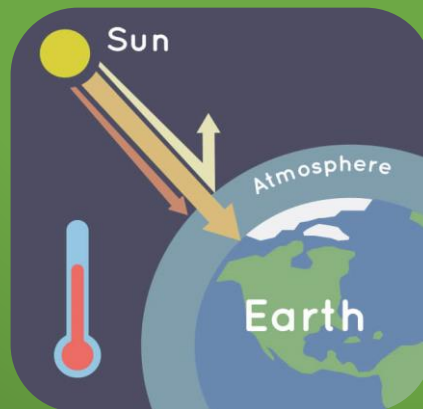
This causes the surface of the Earth to radiate heat towards outer space. However the greenhouse gases in the atmosphere make use of their super power to trap heat and block it from leaving the Earth, making it a warm and cosy place to live.



3. How does the greenhouse effect work?

3.

When sunlight arrives to the Earth part of this sun-rays get reflected back into space, while the other part gets absorbed by the surface of the Earth (land and oceans) which warms its surface.



<https://climatekids.nasa.gov/greenhouse-effect/>

Sources:

- <https://www.environment.gov.au>
- <https://climatekids.nasa.gov/greenhouse-effect/>