

## Handout

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### Introduction Video

While viewing the introduction video on Natural Greenhouse Gases, [https://www.youtube.com/watch?v=x\\_sJzVe9P\\_8](https://www.youtube.com/watch?v=x_sJzVe9P_8), complete the following handout.

1. What does the sun's rays do? **The sun's rays warms the earth.**
2. Some of the sun's rays are **absorbed** by the earth and some are **reflected** back into space. A part of the reflected rays is trapped by **greenhouse gases** and these **trapped** radiations of the sun warm the earth.
3. What are the three greenhouse gases shown in the video?  
**Carbon dioxide                      Methane                      Nitrous oxide**
4. What does the earth compare greenhouse gases to? **A greenhouse nursery for plants**
5. In a greenhouse nursery, the sun's heat can come in but cannot **go out**. The trapped heat **warms** the greenhouse nursery. The trapped heat helped in controlled **growth** of plants. This is similar to when the greenhouse gases **trap** the sun's **heat**.
6. What would happen to the earth if there were no greenhouse gases to trap the sun's radiation?

**The earth would be a very cold place where we would not survive.**

7. What is the trapping of heat to keep the earth warm called?

**Greenhouse Effect**