****Global Systems
The Greenhouse Effect**

**Comprehension Questions**

*Learning Intention:* To be able to explain the **causes** and **effects** of the greenhouse effect.

*Activity*: Watch [the video](http://www.viewpure.com/UuGrBhK2c7U) (up to 4:40) and complete the questions below.

1. Our \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is held to the earth by the force of gravity, like an ocean of air.
2. Fill in the remaining spaces below showing the spectrum of rays produced by the Sun.

Visible Light

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Gamma Rays |  |  |  |  | Radiowaves |

1. Most of the energy we get from the Sun comes to us as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ light.
2. This causes the Earth to radiate infrared rays because it \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. The infrared radiation coming from the Earth finds it \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to get through the atmosphere.
4. Two natural gases that absorb infrared are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. Clouds made of water droplets \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ night skies.
6. The carbon dioxide concentration in the atmosphere is \_\_\_\_\_\_\_\_\_ compared to oxygen and nitrogen.
7. Without greenhouse gases the Earth would be too \_\_\_\_\_\_\_\_\_\_ to support life as we know it.