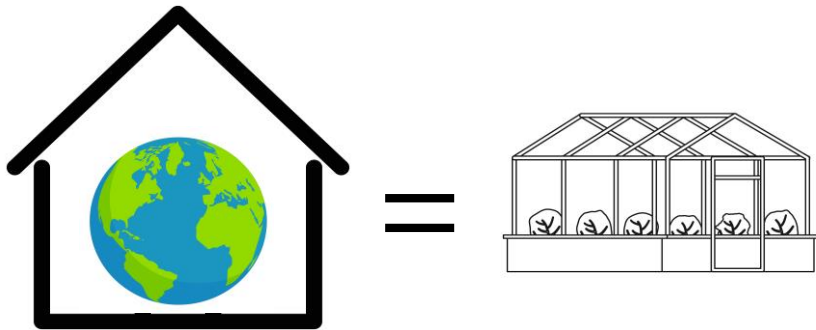




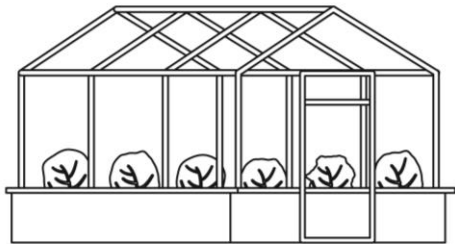
Science

# The Greenhouse Effect & Global Warming



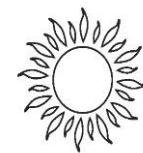
By Janet Giel-Romo, Ed.D.

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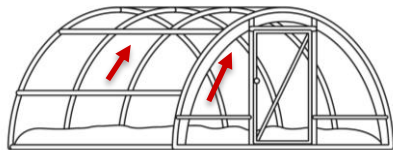
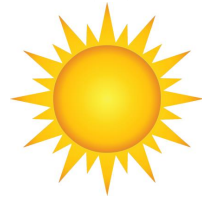
A **greenhouse** is a glass building.  
A greenhouse keeps plants warm  
when it is too cold outside.

1

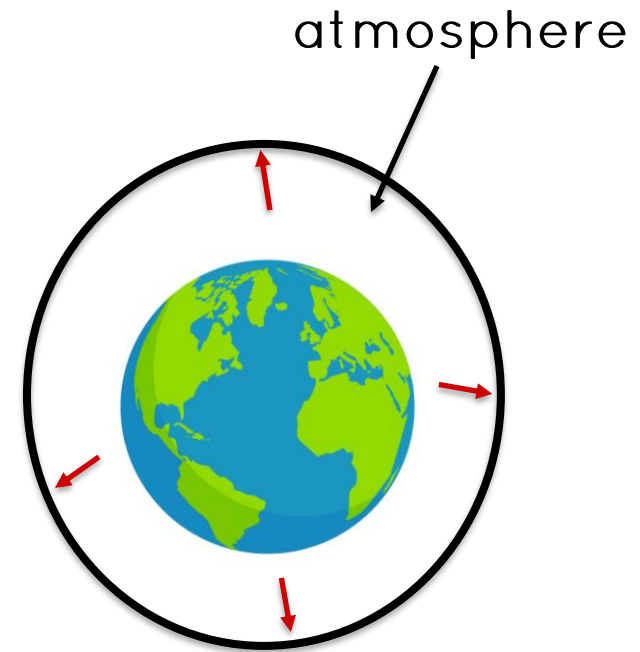
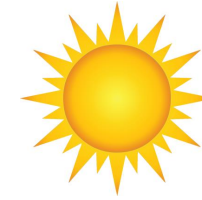


The **Sun** makes the air inside  
the greenhouse warm.

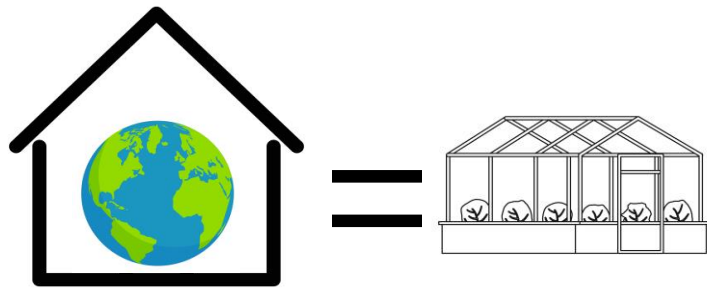
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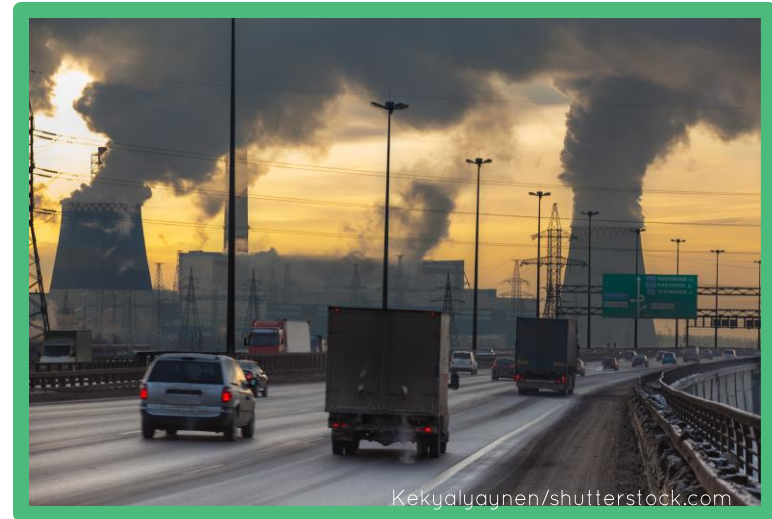
The glass keeps the warm air inside the greenhouse. The warm air is **trapped**.



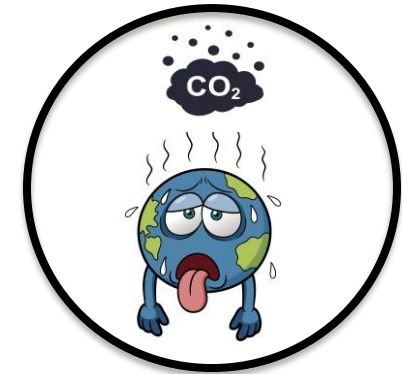
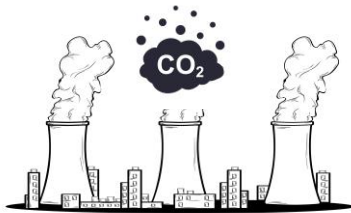
The Sun shines on Earth. It makes Earth's **atmosphere** warm. The warm air gets trapped just like the air in a greenhouse.



This is called the **greenhouse effect**. The Earth's atmosphere traps warm air like a greenhouse.



Factories and cars cause **air pollution**. The pollution makes the air dirty. It also puts gases in Earth's atmosphere.



One of the gases in air pollution is **carbon dioxide**. Too much carbon dioxide is not good for Earth's atmosphere.

The extra carbon dioxide gets trapped in Earth's atmosphere. It makes Earth too **warm**.



Pollution is bad. It makes Earth's atmosphere too warm. This is called **global warming**. The greenhouse effect traps warm air and causes global warming.



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