

INSTRUCTIONS:

01 Cut two identical pieces of butter.



02 Put each piece of butter on a different plate.



03 Cover one of the pieces with the glass.



04 Find a spot to place both plates in the sunlight, ideally at noon.



MATERIALS:



GREENHOUSE EFFECT

Now, all you have to do is wait. You can go do something else in the meantime, and come back to it from time to time.

WHAT DO YOU THINK WILL HAPPEN?

WILL ONE PIECE OF BUTTER MELT FASTER?

CONCLUSION:

The piece of butter under the glass has melted faster than the other one! The glass allows sunrays to go through and reach the butter, but the heat from those rays gets trapped inside the glass which makes the temperature rise faster. That is the greenhouse effect!



The atmosphere around the Earth has the same effect as the glass covering one piece of butter. Sunrays enter the atmosphere and heat up the planet. The atmosphere enables us to keep that heat on Earth so we can live in an ideal temperature. Unfortunately, the pollution going on for many years has released more gases into the atmosphere, which, therefore, traps more heat than it should. That leads to global warming of the Earth and causes climate change.