

Greenhouse Effect

The **greenhouse effect** is a natural phenomenon caused by the concentration of gases in the atmosphere, which form a layer that allows the passage of the sun's rays and the absorption of heat. This process is responsible for keeping the Earth at an appropriate temperature, ensuring the necessary heat.

How does the greenhouse effect occur?

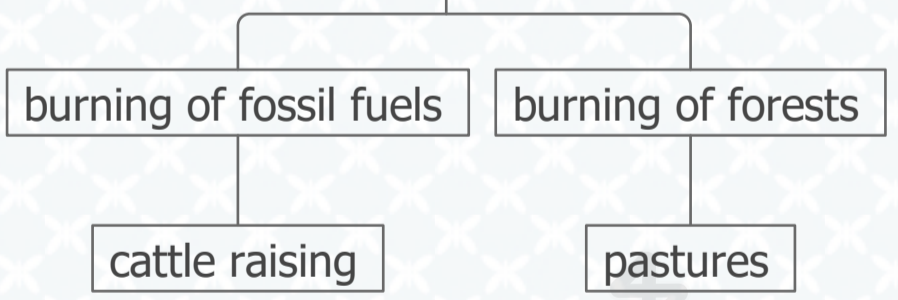
When the sun's rays reach the Earth's surface, due to the layer of greenhouse gases, around 50% of them are trapped in the atmosphere. The other part reaches the Earth's surface, heating it up and radiating heat.

In the last decades the release of greenhouse gases, due to human activities, has increased considerably.

Main greenhouse gases

- Water vapor (H₂O)
- Carbon Monoxide (CO)
- Carbon Dioxide (CO₂)
- Chlorofluorocarbons (CFC)
- Nitrogen oxide (N_xO_x)
- Sulfur Dioxide (SO₂)
- Methane (CH₄)

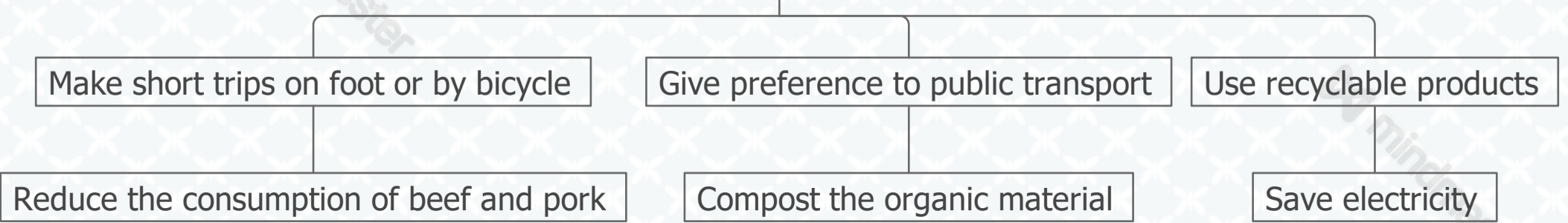
Causes of the greenhouse effect



Main consequences

- Melting of large masses of ice in the polar regions
- Increase in cases of natural disasters such as floods, storms and hurricanes
- Species extinction
- Desertification of natural areas
- Frequent droughts
- acid rain

How to avoid the greenhouse effect?





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Main Idea



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