

Where do Greenhouse Gases Come From?

Use the following sites and the resources provided by your teacher to answer the following questions about the sources of greenhouse gas emissions.

1. List the five main greenhouse gases. <http://climate.nasa.gov/causes/>
 - a) CO₂
 - b) H₂O
 - c) CH₄
 - d) N₂O
 - e) CFCs
2. List two sources of natural CO₂ in the atmosphere. <http://eo.ucar.edu/kids/green/cycles6.htm>
 - a) Animal respiration
 - b) Plant respiration
3. List five sources of human-caused greenhouse gas emissions. <https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions>
<http://co2now.org/Know-the-Changing-Climate/Climate-System/ipcc-faq-human-naturalcauses-climate-change.html>
 - a) Transportation
 - b) Electricity production
 - c) Industry
 - d) Commercial and residential (heating, handling of waste)
 - e) Agriculture (livestock, soils, rice production)
4. What percentage of all of the human caused greenhouse gases is:
 - a) Fossil fuel consumption CO₂: 75 percent
 - b) Methane: 10 percent
 - c) Nitrous oxide: 6 percent
 - d) High Global Warming Potential Gases: 3 percent
 - e) Other CO₂: 6 percenthttp://www.eia.gov/energyexplained/index.cfm?page=environment_where_ghg_come_from
5. Why is the fact that humans are adding to the usual amount of greenhouse gases in the atmosphere important?
The consequences of global warming produced by the increase in the amount of greenhouse gases in the atmosphere are very serious:
 - a) Melting of polar ice caps and glaciers.
 - b) Climate change with an increase in drought and violent atmospheric phenomena.
 - c) Increase of wildfire risk
 - d) Extinction of species because of destruction of their habitats.