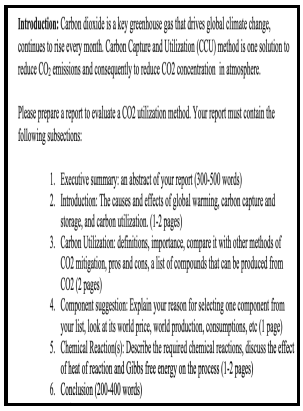
Utilization of greenhouse gases

American Chemical Society - Greenhouse Gases: Good or Bad?


Introduction: Carbon dioxide is a key greenhouse gas that drives global climate change, continues to rise every month. Carbon Capture and Utilization (CCU) method is one solution to reduce CO_2 emissions and consequently to reduce CO_2 concentration in atmosphere.

Please prepare a report to evaluate a CO_2 utilization method. Your report must contain the following subsections:

1. Executive summary: an abstract of your report (300-500 words)
2. Introduction: The causes and effects of global warming, carbon capture and storage, and carbon utilization. (1-2 pages)
3. Carbon Utilization: definitions, importance, compare it with other methods of CO_2 mitigation, pros and cons, a list of compounds that can be produced from CO_2 (2 pages)
4. Component suggestion: Explain your reason for selecting one component from your list, look at its world price, world production, consumptions, etc (1 page)
5. Chemical Reaction(s): Describe the required chemical reactions, discuss the effect of heat of reaction and Gibbs free energy on the process (1-2 pages)
6. Conclusion (200-400 words)

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Notes: Includes bibliographical references and indexes
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Tags: #Greenhouse #Gases: #How #They #Work #and #What #They #Are

The Top Ten Greenhouse Gases

Emissions from other agricultural sources have generally remained flat or changed by a relatively small amount since 1990.

Greenhouse Effect

A couple of days after the state roadmap was released, State Senate Majority Leader Steve Fenberg, D-Boulder, authored an opinion piece in the Camera, in which he highlighted climate change as a priority for this coming legislative session.

Sources of Greenhouse Gas Emissions

The work is being done in the lab of Stanford professor and materials scientist Paul McIntyre, a pioneer in the field.

Greenhouse Gas Emissions: Causes & Sources

Carbon dioxide emissions from other anthropogenic sources and activities were about 7% of total CO2 emissions and about 6% of total GHG emissions. All emission estimates from the Reducing Emissions from Homes and Businesses The table shown below provides some examples of opportunities to reduce emissions from homes and businesses.

The Greenhouse Effect and our Planet

Reducing Travel Demand Employing urban planning to reduce the number of miles that people drive each day.

Putting Greenhouse Gases to Good Use

How to avoid generating greenhouse effect gases To avoid global warming, it is necessary to reduce greenhouse gas emissions. Climate describes the average weather conditions of a particular place over a 30 year period. Toxic chemicals in the home can be eliminated simply by making thoughtful choices in the supermarket after educating oneself about where the hazards are in common consumer products.

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