

Climate Solutions | *Analysis Poster*

Select **two** of the 36 [carbon wedges](#), each from a different sector, and develop a research-based mini-poster (8.5" × 11") that analyzes and compares how each strategy contributes to climate mitigation. AI use is NOT permitted. All written work should be in your own words. All written work must be written in academic language that is of honors-level quality.

Your poster must contain:

1. Two chosen wedges that are from different sectors.
2. A description of each wedge that goes beyond the basic information provided in the *Wedges Activity*. Written in academic language and complete sentences.
3. Two visuals included for each wedge (4 total images)
4. Provide an analysis of each wedge that addresses all topics below. (this should include statistics)
 - Public acceptance
 - Costs of implementation
 - Infrastructure needs
 - Resource availability (as needed)
 - Long-term sustainability
5. A direct comparison between your two chosen wedges:
 - Social implications
 - Economic implications
 - Technological implications
6. A short written conclusion summarizing the overall effectiveness of the two strategies combined. Written in academic language and complete sentences.

The grading rubric and a sample poster are on the following pages:

	3	2	1	0
Wedge Descriptions	Each wedge has an accurate, detailed description that includes more information than the wedges in class.	Only 1 wedge description has an accurate, detailed description that includes more information than the wedges in class.	Both descriptions are poor, vague, and/or inaccurate	Descriptions are not included. Or, AI was used to write the descriptions.
Analysis Wedge 1	All five aspects of the analysis are included and thoroughly described with statistics when relevant.	3 out of the 5 aspects are thoroughly described. Or, all 5 are included but missing statistics.	Only 1 or 2 aspects include thorough descriptions.	Analysis is not included. Or, AI was used to write the analysis.
Analysis Wedge 2	All five aspects of the analysis are included and thoroughly described with statistics when relevant.	3 out of the 5 aspects are thoroughly described. Or, all 5 are included but missing statistics.	Only 1 or 2 aspects include thorough descriptions.	Analysis is not included. Or, AI was used to write the analysis.
Comparison	Thorough comparisons are made between the two wedges for all 3 categories (social, economic, and technological).	2/3 thorough comparisons are made.	Only 1 thorough comparison is made.	Comparisons are not included. Or, AI was used to write the comparisons.
Conclusion	A thorough conclusion is written that compares the effectiveness of the two wedges. It is at least 4 sentences and is written in academic language.	Conclusion is not thorough OR it is not academic quality.	Conclusion is not thorough AND it is not academic quality.	Conclusion is not included. Or, AI was used to write the conclusion.
Total Score: _____ / 15				

CLIMATE MITIGATION STRATEGIES

WEDGE 1

DESCRIPTION

This should include more information than the class descriptions.

This would also be a good place for the 2 images that represent this wedge.

Wedge 1

Public Acceptance

How does the public view this solution? Will it take convincing/campaigning to make people support it?



Implementation Costs

What are the upfront costs to make this happen?



Infrastructure Needs

What type of infrastructure is needed to implement this plan?



Resource Availability

Are the resources that this wedge requires easily attainable? Are they expensive? Need to be mined?



Long-Term Sustainability

Is it sustainable long term? What needs to happen for it to be?



COMPARISON



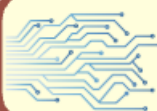
Social Implications

How do the wedges compare based on the effect it will have on society?



Economic Implications

How do the wedges compare based on the effect it will have on the economy?



Tech Implications

How do the wedges compare based on what will be required technologically?

CONCLUSION PARAGRAPH

A short written conclusion summarizing the overall effectiveness of the two strategies combined

WEDGE 2

DESCRIPTION

This should include more information than the class descriptions.

This would also be a good place for the 2 images that represent this wedge.

Wedge 2

Public Acceptance

How does the public view this solution? Will it take convincing/campaigning to make people support it?



Implementation Costs

What are the upfront costs to make this happen?



Infrastructure Needs

What type of infrastructure is needed to implement this plan?



Resource Availability

Are the resources that this wedge requires easily attainable? Are they expensive? Need to be mined?



Long-Term Sustainability

Is it sustainable long term? What needs to happen for it to be?

