

Iconic Prompts of Depth and Complexity Retrieval Chart

Topic: "Top Ten Things You Need to Know About Global Warming"

Language of the Disciplines (Think like a Climatologist).



- climate change
- carbon dioxide
- temperature
- ozone depletion
- greenhouse gas
- CFC
- ecosystem
- glacier
- Kyoto Protocol



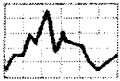
Details

Global warming is caused primarily by carbon dioxide from burning coal, oil, and gas.



Patterns

-Misconceptions about global warming
-poles warm faster than equator (US temps rising faster than over globe)



Trends

Global Warming

Natural patterns of climate change (1 degree F in the past 100 years) shifting due to human activity (3-10 degrees F in next 100 years)



Unanswered Questions

-Can global warming be reversed or stopped (or is it too late)?
-What new technologies, programs, or innovations will help slow global warming?



Ethics

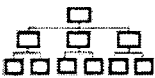
-Is global warming real?
-Human impact: reducing carbon footprint: driving less, fuel efficient appliances, solar energy, etc.
-US impact on poorer nations.



Big Ideas

(Change/Power)

-Change can be either positive or negative
-Change is inevitable
-Power may be used or abused



Rules

Carbon dioxide, methane, and CFCs, and nitrous oxide all contribute to global warming.



Over Time

-temperature shifts lead to changes in ecosystems
-temperature shifts lead to rising sea levels
-a temperature rise will cause more extreme weather



Across Disciplines

-Science: Environment/ Ecology
-Political Science: Kyoto Protocol
-Sociology: Man's behavior



Multiple Perspectives

(Points of View)

State your opinion on global warming from the perspective of: participant of Kyoto Protocol, alternative energy scientist, and person living 100 years from now.