

Grading Criteria	Score
Overall	
Author shows an understanding of the data and kinds of data that illustrate the processes important in the Indian Monsoon.	0 1 2
Punctuation and spelling are accurate	0 1 2
All paper sections are included and include the appropriate content. This means that observations are in the observations section and interpretations are in the interpretations section.	0 1 2
Figures are numbered, referred to in the text, have informative captions, and are organized in the order that they are referred to in the text (Credit is reduced for using irrelevant or superfluous figures).	0 1 2
Data and others' work are adequately referenced throughout the paper.	0 1 2
Introduction	
The topic of investigation is easy to identify.	0 1 2
The introduction captures the reader's interest and clearly states the importance of understanding the earth's climate.	0 1 2
Causes of Climate Change	
The sun and distance from the sun is mentioned as the main factor controlling the earth's average temperature.	0 1 2
The earth's albedo is mentioned for its effect of reflecting solar energy to space, and influencing the average temperature of the earth.	0 1 2
The atmosphere is mentioned for its role in the greenhouse effect.	0 1 2
CO ₂ concentration in the atmosphere is mentioned for its role in the greenhouse effect.	0 1 2
The greenhouse gases (water, methane, nitrous oxide, and ozone) are mentioned.	0 1 2
The residence times of the greenhouse gases are mentioned.	0 1 2
The balance of greenhouse gases entering the atmosphere with greenhouse gases leaving the atmosphere to the oceans or other sinks is mentioned.	0 1 2
Clouds are mentioned as affecting the climate.	0 1 2
Pollution and/or aerosols are mentioned as affecting the climate.	0 1 2
Earth Climate History	
Methods of data collection are described.	0 1 2
Data and sources are accurately referenced.	0 1 2
A clear data figure shows the earth's temperature for the last 400,000years.	0 1 2

A clear data figure shows the atmospheric CO2 concentration for the last 400,000years.	0	1	2
Data and data representations are described in the text. Quantitative descriptions are used (e.g. amount of temperature change, etc).	0	1	2
Relationships among observations are made clear (e.g. does author show how temperature and CO2 track each other for 400,000yrs?).	0	1	2
Historical Climate Change			
Methods of data collection are described.	0	1	2
Data and sources are accurately referenced.	0	1	2
A clear data figure shows the earth's temperature for the last 200 years.	0	1	2
A clear data figure shows the atmospheric CO2 concentration since 1880.	0	1	2
Data and data representations are described in the text. Quantitative descriptions are used (e.g. amount of temperature change, etc).	0	1	2
Relationships among observations are made clear (e.g. does author show how temperature and CO2 track each other since 1880?).	0	1	2
Climate Change Scenarios			
Data and sources are accurately referenced.	0	1	2
Author notes that the global temperature could rise in response to greenhouse gas increases.	0	1	2
Author notes that the global temperature could fall in response to shutdown of global oceanic heat conveyor belt, plunging the earth into an ice age.	0	1	2
Author notes that changing rainfall and temperature patterns are a possible result of climate change.	0	1	2
Author notes that sea level rise due to melting ice caps is a possible result of climate change.	0	1	2
Author notes that economic disruption due to resource distribution changes and population migration are possible results of climate change.	0	1	2
Extras: added discussion that is well-referenced and not covered in the previous items for this section.	0	1	2
Policy Recommendations			
Kyoto Protocol is mentioned.	0	1	2
Kyoto Protocol agreement action items and member commitments are listed.	0	1	2
Author discusses US refusal to ratify the Kyoto protocol and reasons for that refusal.	0	1	2
Carbon emissions trading is explained.	0	1	2
Extras: added discussion and plausible action items that are not covered in the previous items for this section.	0	1	2

References	
References are cited accurately, so the reader can find the source materials. URL's are ok. The sponsoring agency should be listed.	0 1 2