Climate Change

Name

Institutional Affiliation

Name: \_\_\_\_\_\_\_\_\_\_\_\_

**RP Research Paper Planning Worksheet**

**Climate Change & Country**

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| **INTRODUCTION**  *Hook* (*Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence):  Climate change refers to the periodic modification of the climatic conditions of the earth. The changes in climatic patterns result from changes in the air and interactions between different chemical, biological, geographic, and geologic factors within the earth (Vital Signs of the Planet, 2020). The atmosphere is a fluid that is dynamic and keeps moving within the earth. Some of the factors that influence atmospheric motion are ocean currents, continental position, and radiations from the sun. There is various evidence of changes in the patterns of climate. A good example is a rise in global temperatures and changes in the patterns of rainfall. The changes are usually a result of human factors.  ***Thesis statement (PTOCR)***   * ***Perspective:*** * ***Topic:*** * ***Opinion:*** * ***Concept:***   *Cause OR Effect (Highlight one)*   * ***Roadmap (4 paragraph keywords):***   ***Write your thesis statement here****:*  climate change is truly a global problem. Hence, the paper seeks to elaborate on the causes of climate change, evidence, and the impacts it has on the environment. |
| **BACKGROUND PARAGRAPH** (3-4sources)   1. The general definition of the topic   Climate is the average weather condition of a given area. Understanding the changes in climatic patterns requires understanding what climate was before and what it is presently (Vital Signs of the Planet, 2020). The system of climate is among the numerous existing earth systems.   1. Historical information   The history of climate dates back to biblical history. Some of the documented climatic evidence are floods, droughts, and seasons of extreme cold, among another climate (Vital Signs of the Planet, 2020). Much discovery on the climate was made in the 18th and 19th centuries. Some of the naturalists are Charles Lyell, a Scottish geologist, and Charles Darwin, who was an English naturalist (Vital Signs of the Planet, 2020).   1. Factual information   The atmosphere contains moving air. Human activities such as industrialization lead to the release of emissions into the atmosphere (Vital Signs of the Planet, 2020). The emissions are mainly greenhouse gases that are trapped in the atmosphere. The gases trap solar radiation preventing the heat from reaching the earth's surface, leading to global warming. |
| **4 BODY PARAGRAPHS**  **-‘Main evidence 1’ & ‘Supporting evidence’** can be found from general sources, including experts' opinions & statistics (Newspaper, Journal articles, Government/NGO websites).  -‘Main evidence 2’ should be more specific sources such as illustrative examples/ interviews from the demographics/case studies/testimonies (YouTube/ social media can be used).  -All ‘Supporting evidence’ needs to be paraphrased in this essay. |
| **CONCLUSION**  In conclusion, climate change is a huge global challenge. Various evidence, such as a decline in glaciers and ocean acidification, indicate climate change. Hence, actions need to be taken to reduce the impact. |

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| **1st Body Paragraph: Paragraph Key Word: \_\_Rise in global temperatures\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | |
| 1 | Main Evidence  There is a rise in the atmospheric temperatures | Direct Quote with a citation: “…..” (citation)  According to the NASA report, the atmospheric temperature has risen to 1.620 C. the change is primarily driven by a higher level of carbon IV oxide in the atmosphere, which originates from emissions that are from human activities. Over the years, the earth has experienced droughts, snow melts, snowfall, and glacial decline(Vital Signs of the Planet, 2020). |
| APA reference:  *Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence |
| 2 | Main Evidence  Warming of oceans. | Direct Quote with a citation: “…..” (citation)  According to the NASA report, oceans currently absorb more heat. A height of 2300 feet reveals warming that is above 0.50 c. the enormous amount of heat absorbed affects aquatic life(Vital Signs of the Planet, 2020). |
| APA reference:  *Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence |
| 3 | Supporting Evidence  (in 2nd discussion)  Some supporting evidence in the increase of global temperatures is the melting and decline of glaciers and droughts. | Direct Quote with a citation: “…..” (citation)  According to the NASA report, the ice sheets in Antarctic and Greenland have reduced. The report suggests that for the last twenty-three years, Greenland lost 128 billion tons of ice. |
| APA reference:  *Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence |
| 4 | Supporting Evidence  (in explanation)  *Optional*  An increase in the temperatures of the oceans has seen countries experiencing acidification and a decline in aquatic life. | Direct Quote with a citation: “…..” (citation)  According to the NASA report, the increase in global temperatures results in acidification of the oceans leading to a decline in aquatic life(Vital Signs of the Planet, 2020). |
| APA reference:  *Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence |

*Note: all supporting evidence needs to be paraphrased in this essay.*

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| **2nd Body Paragraph: Paragraph Key Word: Extreme Events** | | |
| 1 | Main Evidence  Climate change results in extreme events such as flooding and droughts. | Direct Quote with a citation: “…..” (citation)  According to the NASA report, various countries experience changes in their climatic seasons. Sometimes, they experience incredibly high rainfall seasons, leading to floods(Vital Signs of the Planet, 2020). |
| APA reference:  *Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence |
| 2 | Main Evidence  Droughts have become common. | Direct Quote with a citation: “…..” (citation)  The NASA report indicates that many countries experience drought globally. The droughts result from extremely high temperatures and extension of the summer in the countries(Vital Signs of the Planet, 2020). |
| APA reference:  *Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence |
| 3 | Supporting Evidence  (in 2nd discussion)  Extreme temperatures affect the planting season. | Direct Quote with a citation: “…..” (citation)  Changes in atmospheric temperatures disrupt the calendar of the farmers. A delay in the commencement of the rainy season disrupts planting(Vital Signs of the Planet, 2020). |
| APA reference:  *Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence |
| 4 | Supporting Evidence  (in explanation)  *Optional*  Floods affect farmers. | Direct Quote with a citation: “…..” (citation)  Floods destroy crops, affecting the number of crops harvested (Vital Signs of the Planet, 2020). |
| APA reference:  *Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence |

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| **3rd Body Paragraph: Paragraph Key Word: Rise in the level of the sea** | | |
| 1 | Main Evidence  Changes in atmospheric temperatures result in a rise in the level of the sea. | Direct Quote with a citation: “…..” (citation)  According to the NASA report, the sea level rose to about eight inches in the 20th century (Vital Signs of the Planet, 2020). |
| APA reference:  *Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence |
| 2 | Main Evidence  An increase in the volume of water in the sea. | Direct Quote with a citation: “…..” (citation)  The NASA report indicates that the rise in the temperatures of the globe leads to the melting of glaciers that release their water into the sea and oceans (Vital Signs of the Planet, 2020). Thus, increasing the amount of oceanic water. |
| APA reference:  *Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence |
| 3 | Supporting Evidence  (in 2nd discussion)  The volume of water in the sea has doubled in the previous years. | Direct Quote with a citation: “…..” (citation)  According to the NASA report, floods are frequent in the world (Vital Signs of the Planet, 2020). The floods resulting from tsunamis and increased storms. |
| APA reference:  *Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence |
| 4 | Supporting Evidence  (in explanation)  *Optional* | Direct Quote with a citation: “…..” (citation) |
| APA reference: |

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| **4th Body Paragraph: Paragraph Key Word: Climate and Glaciers** | | |
| 1 | Main Evidence  Changes in climatic patterns result in the shrinking of sheets of ice. | Direct Quote with a citation: “…..” (citation)  According to the NASA report, glaciers in Antarctic regions have been decreasing in mass over the years (Vital Signs of the Planet, 2020). |
| APA reference:  *Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence |
| 2 | Main Evidence  Retreat of Glaciers | Direct Quote with a citation: “…..” (citation)  The glaciers in Himalayas, Alaska, Rockies, Alps, and the Andes have been retreating over the years (Vital Signs of the Planet, 2020). |
| APA reference:  *Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence/. |
| 3 | Supporting Evidence  (in 2nd discussion)  Images from the satellites reveal a decrease in the amount of snow cover. | Direct Quote with a citation: “…..” (citation)  The NASA reports document that the regions in the northern hemisphere have a reduced snow cover level based on the satellite images(Vital Signs of the Planet, 2020). |
| APA reference:  *Climate Change Evidence: How Do We Know?*. Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence/. |
| 4 | Supporting Evidence  (in explanation)  *Optional* | Direct Quote with a citation: “…..” (citation) |
| APA reference: |

References

*Climate Change Evidence: How Do We Know?* Climate Change: Vital Signs of the Planet. (2020). Retrieved 11 July 2020, from https://climate.nasa.gov/evidence/.