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1

2201 Writing Assignment 2

The Causes and Effects of Climate Change

Write a four-paragraph essay about the causes and effects of climate change. Your essay should include:

- an introduction with a clear thesis statement.
- two body paragraphs (one body paragraph on causes and the other body paragraph on effects).
- a conclusion that presents **suggestions** and **solutions** for the problem.

These are some helpful prompts:

Causes of climate change	Effects of climate change
Greenhouse gases (carbon dioxide (CO ₂), methane); greenhouse effect and global warming; [agriculture and livestock; deforestation; Industrial activities.]	Extreme weather; melting glaciers and rising sea levels; [negative impacts on ecosystems; water and food resources; health.]

Climate change is the long-term shifts in temperature and weather patterns. These shifts may be natural and occur, for example, through changes in the solar cycle. This article presents the causes and the effects of climate change.

Climate change has many causes. One of the most important of these reasons is that climate change is caused by human activity raising the levels of greenhouse gases in the atmosphere, which is trapping more heat. The main problem lies in the increase of greenhouse gases such as carbon dioxide and methane resulting from the combustion of fossil fuels, whether from industrial facilities, power plants or transportation. In addition, agriculture contributes to climate change. Agriculture releases greenhouse gases into the atmosphere. Agriculture in particular releases large amounts of methane and nitrous oxide, which are two potent greenhouse gases. Another example of climate change is

livestock that contribute to climate change by emitting greenhouse gases either directly from enteric fermentation and manure management, or indirectly from feed production activities and conversion of forests to pastures.

On the other hand, climate change has many effects. One of the most important effects of climate change is severe drought and water scarcity, in addition to severe fires, rising sea levels, floods and melting polar ice, all because there is a direct relationship between the concentration of greenhouse gases in the earth's atmosphere and the average global temperatures on earth. An increase in temperature leads to changes in the climate. Clearly, the effects of climate change on ecosystems and species are likely to be exacerbated in ecosystems that are already under pressure from human activities, including air and water pollution, habitat destruction and fragmentation, in addition to overpopulation, pollution, burning of fossil fuels and deforestation. Such changes have caused climate change, soil erosion, poor air quality and non-potable water.

In conclusion, there are many ways to reduce climate change. First, end fossil fuel subsidies. Second, increasing energy efficiency and using renewable energy. Third, applying climate-friendly farming practices and expanding forests. Finally, building resilient, low-carbon cities.

Best Wishes

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