

Mock Exam I [English Essay]

"Climate Change: Causes and Consequences"

Brainstorm

Causes

- 1- Changes in sun
- 2- Volcanoes
- 3- Earth's orbit
- 4- CO₂ level
- 5- waste product
- 6- Smoking
- 7- Vehicles (releasing hazardous gases)
- 8- chloroflouro carbons (CFC-12, HCFC22)
- 9- Smog and dust particles.
- 10- Fossil fuel usage/combustion
- 11- Countries stepping towards industrialization.

Consequences

- 1- Ozone depletion
- 2- Global warming
- 3- Sea level change
- 4- worldwide retreat of glaciers.
- 5- Acid rain
- 6- Diseases resulting from hazardous gases
- 7- Asthama, Bronchitis
- 8- Pollution

'Outline'

I- Introduction:

(a) Attention Grabber

(b) General statement

(c) Thesis statement: The phenomenon of climate change is caused by many natural causes such as changes in Sun, Earth's orbit, Volcanism as well as human activities such as Industrialization, fossil fuel combustion, CO_2 and other hazardous gases (CFC, HCFC-22, NH_3) etc. These causes have many consequences such as Ozone depletion, global warming, acid rain, changes in sea level and many health hazardous diseases.

II- Causes of Climate Change:

1- Climate change resulting from natural phenomena

1-1. Changes occurring in the sun itself affects the intensity of the sunlight that reaches Earth's surface.

1-2. Changes occurring in Earth's orbit affects the reflectivity of Earth's atmosphere and surface.

1-3. The eruptions of volcanism is affecting the amount of hazardous SO_2 present.

2- Climate change caused by human activities:

2-1. Industrialization causing great damage to the atmosphere.

2-2. Greenhouse gases: (CO_2 , CFC-12, HCFC-22, NH_3) etc released by human activities as mentioned in KYOTO PROTOCOL.

2-3. Fossil fuel combustion leading to drastic

changes in the climate (Source: A report by UNFCCC)

III - Consequences of Climate Change:

3-1. Climate change is causing great damage to ozone layer (ozone depletion).

3-2- Global warming leading to an increase in the overall Earth's temperature.

3-3- Acid rain causing great damage to agriculture and infrastructure.

3-4- Changes in sea level resulting into great floods.

3-5- Causing diseases hazardous for ^{human as well as} ↑ health ↓ other living things.

IV - Conclusion:

Climate change does not respect borders; it does not respect who you are rich and poor, small and big. Therefore, this is what we call 'global challenge', which requires global solidarity. (Ban Ki-moon). Climate change is a matter of concern for all the developed and developing countries. It creates ↑ ^{serious} problems for both developing and developed world. ^{As} All developed nations are contributing more to the climate change, Pakistan contributes less. ^{but} Unfortunately, Pakistan is one of them. The phenomenon of climate change revolves around many natural causes such as changes in the Sun, changes in the Earth's orbit and volcanism. As well as human activities

Such as industrialization, fossil fuel combustion and greenhouse gases emission also contribute to climate change. These causes have many consequences such as ozone depletion, global warming, acid rain, ^{changes in sea level} and other health hazardous diseases. This needs to be stop, otherwise not only Pakistan but the whole world will add ^{already obsolete atmosphere.} - further to ↑ world's destruction.