

Expository Essay

Topic: Climate change in Pakistan: causes & consequences

Brainstorming

Causes

- Combustion of fossil fuels resulting in increase in greenhouse gases (CO_2 , CH_4)
 - ↳ For manufacturing goods in factories.
 - ↳ For domestic purposes
 - ↳ For the generation of electricity
- Emission of harmful gases from automobiles (cars) also contributes to climate change
- Deforestation
 - ↳ For house building
 - ↳ For cultivation due to over-population
- Industrialization

Consequences

- Impact on Environment
 - ↳ Melting of Ice (glaciers)
 - ↳ Rising sea level
 - ↳ Erratic Rainfall patterns.
 - ↳ Oceans are getting warmer, ice-sheet shrinks.
- Frequently occurring disastrous event
 - ↳ Forest fires in summer
 - ↳ landslides
 - ↳ Smog in winter
 - ↳ Drought
 - ↳ Floods
 - ↳ Cloud bursting
 - ↳ destructive storms.

↳ Natural causes.

↳ Disruption of ecosystem

↳ Economic losses.

↳ Impact on human health

↳ Poverty & displacement.

Outline

1-Introduction:

1.1. Hook

1.2. General Statement

1.3. Thesis Statement: In Pakistan, climate change is driven by factors such as fossil fuel combustion, deforestation, fuel burning and industrialization, leading to environmental, ecological, economic, and health-related consequences.

2. Main Body:

Main Reasons behind climate change

2.1 Combustion of fossil fuels

2.1.1. Traditional strategy of getting energy for manufacturing goods in factories.

2.1.2. For domestic purposes.

2.1.3. For generation of electricity in large power stations.

2.2. Deforestation

2.2.1. For building ^{more} ~~houses~~ residential colonies

2.2.2. For cultivation of crops to meet the needs.

2.2.3. For timber which later used in construction, furniture making and paper industry.

2.3. Fuel Burning in automobiles.

2.4. Industrialization.

2.4.1. For cement, steel, chemical production, release greenhouse gases directly.

2.4.2. Industrial emissions and chemicals damage the climate.

2.5. Natural activities.

2.5.1. Volcanic eruptions

2.5.2. Shift in earth's ~~the~~ orbit.

2.5.3. Change in solar radiations.

Consequences of climate change

2.1. Impact on environment.

- 2.1.1. Melting of ice led to rising sea level.
- 2.1.2. Oceans are getting warmer, ice sheets shrinks.
- 2.1.3. Erratic Rainfall patterns
- 2.1.4. Disastrous events occurring frequently

2.2. Impact on Ecosystem.

- 2.2.1. Disruption of habitat led to extinction of plant and animal species.
- 2.2.2. Ocean Acidification, which harms marine ecosystem.

2.3. Impact on Economy.

- 2.3.1. Loss of agriculture sector due to drought.
- 2.3.2. Production of crops decreases led to inflation.
- 2.3.3. Affecting the competitiveness of exports

2.4. Impact on Human health.

- 2.4.1. Loss of capacity of work due to heat.
- 2.4.2. Rise in temperature cause heat strokes.

2.4.3 . Spread infectious diseases like malaria .

2.4.4 . Stress of economic hardships, displacement ~~to~~ can contribute to mental health problems .

3- Conclusion .