

**GEOGRAPHY NOTES FOR 7<sup>TH</sup> CLASS (FOR ISLAMABAD)**

**UNIT # 5 (CLIMATE CHANGE)**

**SHORT QUESTIONS**

**What is the difference between weather and climate?**

**Weather:**

Weather is the short term atmospheric condition of any place.

**Climate:**

Climate is the average weather conditions (weather patterns) of any place experiences over a longer period of time.

**What is meant by climate change?**

Climate change is a long-term change in the average weather of any region. This is an unexpected change which usually occurs in decades or millions of years.

**What does the greenhouse effect mean?**

The natural warming of earth due to greenhouse gases in atmosphere, is called the Greenhouse Effect.

**How does climate change affect the people of Pakistan?**

- It badly affects our irrigation system which results in poor agriculture.
- It is also affecting our glaciers which results in sudden floods.
- It may impact our country's ecosystem and biodiversity.

**How does the ozone layer protect life on earth?**

- Ozone layer is very important because it protects the earth from harmful ultra-violet radiations of sun.
- These radiations can cause skin cancer, headaches, eye diseases etc.
- These radiations can also damage plant & aquatic life.

**LONG QUESTIONS**

**Describe the main causes of climate change in the world.**

Man-made causes are larger than natural for climate change. Few causes are as under:

1. Combustion of fossil fuels
2. Excessive agriculture
3. Deforestation
4. Urbanization
5. Industries
6. Use of auto-mobiles

**How is climate change affecting the world?**

Some of the effects of climate change are as under: -

1. Desertification
2. Rising sea levels
3. Melting of ice and glaciers,
4. Frequent floods

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5. Change of weather patterns.
  6. Threat to aquatic life
  7. Extreme weather conditions like extreme winters and summers
  8. Change of ocean current patterns
  9. Landslides

**What can we do to minimize the impacts of climate change?**

The best way to minimize the impacts of climate change is by educating the people.  
Some ways to do this are as under:

**Ways to protect our planet:**

- Say NO to plastic. Go Green.
- Implement 3R formula. Reduce, Reuse and Recycle
- Plant more trees.
- Less use of vehicles
- Save water
- Save electricity
- Reduce food wastage
- Prepare at home and eat locals
- Install industries far away from cities.