

(A) Human Induced Causes

(a) Fossil Fuel Consumption

(i) Use of CFCs and HFCs

(ii) Excessive use of coal burning

(iii) Cooling thermal plant

Climate change is a defining crisis of the 21st century, is mainly driven by anthropogenic activity intensifying the greenhouse effect, leading to the climate change. One of the main human induced cause behind climate change is the consumption of fossil fuels (the dead remains of plants and animals) like oil, gas, and coal. By burning these fossil fuels, a large amount of CO₂ (carbon-dioxide) is released into the atmosphere causing harmful effect to our climate. Second cause which is injurious to our climate change is use of chlorofluorocarbons and hydro-chlorofluorocarbons. They are used in air-conditions, refrigerators and

automobile industry, which release excessive amount of CO_2 , causing serious damage to Ozone layer (O_3) leading to various skin diseases. Third one cause to the climate change is the excessive burning of coal, which not only release CO_2 but also black carbon and SO_2 (sulphur dioxide), leading to the atmospheric pollution and altering climate pattern. The process of cooling thermal plant, is also the main cause to induce climate change because the water release by these thermal power plants are contaminated and affects the aquatic life. So, these are all the main human induced factors behind the rapidly changing climate change. As noted by IPCC (International Panel on Climate Change) that "human influence on climate change is unequivocal" means that these factors are actively intensifying global temperature.

M T W T F S

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rise sea-level and extreme weather
events causing serious damage to
the developing countries like Pakistan.