

Causes of Climate Change

1 Introduction

1) Industrialization and Fossil Fuel Consumption

A major cause of climate change is the industrialization.

As like, Factories, transportation & Power generation

Plants burns coal, oil and gases, which releasing massive amount of carbon emission into air or atmosphere.

Rapid urbanization lead to increase in demand of

energy. As cities expand and population increase lead to

increase in demand, which result in further increase in greenhouse gas emissions. The rise in energy consumption

traps heat in the atmosphere, and accelerate the

global warming at the alarming rates.

2) Deforestation and Land degradation

Deforestation can be another major cause affecting

climate. As it destroys natural carbon absorber

which sinks harmful gases. Large Scale Cutting in the

Amazon, Southeast Asia and even in the Pakistan has

decrease the ability of Earth to absorb carbon dioxide.

Region such as Amazon and Southeast Asia have

experienced massive deforestation due to development

projects. Pakistan, too faced significant loss of forest

due to timber harvesting and land clearing. This loss

and deforestation releases the stored carbon into

atmosphere, which badly affected the earth and

contributing in rising temperature of earth.

3 Agriculture Practices and livestock Farming

Agriculture Practices | more likely livestock Farming
emits powerful greenhouse gases like methane and
nitrous oxide into atmosphere. cattle and other ruminant
animals ~~releases~~ releases methane during digestion, while
rice paddies produce methane due to waterlogged
Soil. Use of excessive chemical fertilizer lead to
release of nitrous oxide into air. Methane and
nitrous oxide both are far more potent gases than
carbon dioxide or greenhouse gases. The release of
these gases make food production a key driver of
climate change.

4 Industrial Waste and over Consumption

The growth of consumer-driven lifestyle accelerated
climate change by encouraging mass production,
excessive consumption and large quantities of industrial
waste. Large scale of manufacturing emits large amount
of greenhouse gases into atmosphere, while use of
plastic and other non-degradable materials creating
lasting environmental harm. This modern lifestyle
strain natural resources and raise overall carbon
emission into environment, ultimately worsening the
global warming.

5) Natural climate Variability

While human activities are the primary causes of
climate change, But natural factor also influences
global temperature pattern. As volcanic eruption
emits ash and gases that can temporarily modify
atmospheric conditions and affect solar radiation.
These natural fluctuations contribute to today's

rapid global warming and insufficient to account for the current pace of climate change.

Don't write in headings
Substantiate your arguments with evidences
Avoid grammatical mistakes