

Environmental Studies

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Environment

Atmosphere - The atmosphere implies the protective blanket of gases, surrounding the earth.

Hydrosphere - The hydrosphere comprises all type of water resources oceans, seas, lakes, rivers, streams, reservoirs, polar ice caps, glaciers, and groundwater.

Lithosphere - Lithosphere is the outer mantle of the solid earth.

Biosphere - Biosphere indicates the realm of living organisms and their interactions with environment, viz atmosphere, hydrosphere and lithosphere.

Importance of environmental studies

1. To clarify modern environmental concept like how to conserve biodiversity.
2. To know the more sustainable way of living.
3. To use natural resources more efficiently.
4. To know the behaviour of organism under natural conditions.
5. To know the interrelationship between organisms in populations and communities.
6. To aware and educate people regarding environmental issues and problems at local national and international levels.

Definition of Environment

- Environment-french word-'environ'-surrounding.
- Hence, everything surrounding us-'environment'.
- Environmental protection act 1986 defined 'environment as the sum total of water,air and land,their interrelationship among themselves and with the human beings,other living being and property.
- It can also be defined as 'external surrounding and conditions which directly or indirectly affects the living organism'
- Environmental science is a systematic study of our environment and our place in it - mainly the abiotic and biotic components.
- It is a comprehensive sum of all living and non - living things and their interactions.
- It is an applied science as it seeks practical answers to making human civilization sustainable on the earth's finite resources.

Threats to Biodiversity

Natural Causes :

- Narrow geographical area
- Low population
- Low breeding
- Natural disasters

Anthropogenic causes :

- Habitat modification
- Overexploitation of selected species
- Innovation by exotic species

Elements of Environment

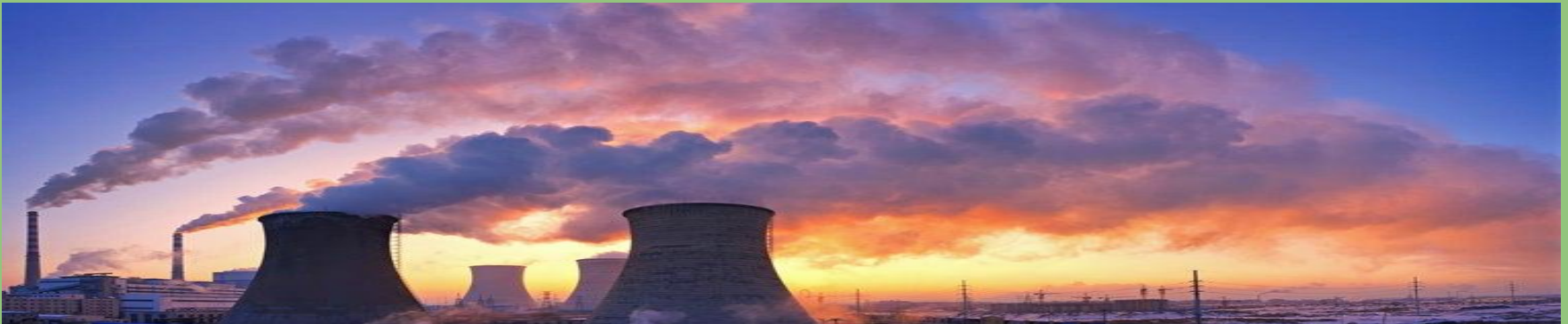
Physical elements - space, landforms, water bodies, soils, rocks and minerals.

Biological elements - plants, animals, microorganisms and men.

Cultural elements - economic, social and elements are essentially manmade features.

Factors Affecting Environment

- ❖ Pollution
- ❖ Hunting
- ❖ Global warming and climate change
- ❖ Agriculture



THANK YOU