

It helps to educate people regarding their duties towards the protection of environment.

Dependence Depend on abiotic factors Do not depend on biotic components for existence Growth and Reproduction Can grow, reproduce, and evolve over time Do not grow, reproduce, or evolve

Examples Plants, animals, fungi, bacteria Sunlight, temperature, water, soil, air

- Gro Harlem Brundtland first introduced the concept of sustainable development in 1987.

Eg, fossil fuels, such as coal, petroleum, natural gas and rare minerals typically found in meteorites.

It is highly complex, changing environments made up of a living and non-living things.

Forests provide fuel, wood, timber, wildlife, habitat, industrial, forest products, climate regulations, medicinal resources, etc.

Scientists estimate that India should ideally have 33 percent of its land under forests.

Local / market use: (economical importance) a. Food- plants, fishing, hunting b. Fodder- cattle c. Fuel wood and charcoal- cooking, heating d. Poles- building homes e. Timber- household articles, construction Deforestation: It is permanent destruction or exploitation of forests by humans for commercial and other purposes.

Causes: logging, mining, building dams, timber extraction, fuelwood dependency National Forest Policy 1988

An ecosystem is a community of organisms and their physical environment interacting together.

It occurred on the night of December 2-3, 1984, in Bhopal, Madhya Pradesh, India, when a highly toxic gas, methyl isocyanate (MIC), leaked from the Union Carbide India Limited (UCIL) pesticide plant.

Cause: The Union Carbide plant in Bhopal manufactured pesticides using MIC, a highly volatile and toxic chemical.

On the fateful night, water inadvertently entered a MIC storage tank, triggering an exothermic reaction.

Many victims continue to suffer from chronic illnesses, including respiratory issues, eye disorders, and genetic defects in subsequent generations.

It led to stricter safety laws in India and globally, including the Environment Protection Act of 1986.