

# Ecology and Environmental Problems



# Definition

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**Ecology is the study of interrelationship between living organisms and their environment. Life and environment are interdependent.**



# Definition

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Topics of interest to ecologists include the diversity, distribution, amount (biomass), number (population) of organisms, as well as competition between them within and among ecosystems.



# The term “ecology”

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The word "ecology" ("Ökologie") was coined in 1866 by the German scientist Ernst Haeckel (1834–1919).



**Ernst Haeckel: Christmas of 1860 (age 26)**

# Environment

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The biophysical environment is the biotic and abiotic surrounding of an organism or population, and consequently includes the factors that have an influence in their survival, development and evolution.



# Environmental Problems: Pollution

Pollution of air, water and soil require millions of years to recoup. Industry and motor vehicle exhaust are the number one pollutants.



# Environmental Problems: Global Warming

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Global warming leads to rising temperatures of the oceans and the earth's surface causing melting of polar ice caps, rise in sea levels and also unnatural patterns of precipitation such as flash floods, excessive snow or desertification.



# Environmental Problems: Overpopulation

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The population of the planet is reaching unsustainable levels as it faces shortage of resources like water, fuel and food.





# Environmental Problems

A single individual cannot be blamed for the world pollution, however every person should take care of his or her habitat.



# Environmental Problems

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We have to contribute every day to the preservation of nature and environment.

For example, always remember to save energy by switching off lamps, computers and everything that we do not use.



**Thanks For  
Attention**