

Question of the Day

What is Environmental Science?



The background of the slide is a dense, out-of-focus forest of green trees. In the center, a small globe of the Earth is visible, with a single, vibrant green tree growing out of its top. The globe is slightly tilted, showing the continents of North and South America. The overall lighting is soft and natural, suggesting a healthy, thriving environment.

Science and the Environment

Environmental Science

Environmental Science is the study of the air, water, and land surrounding an organism or a community, which ranges from a small area to Earth's entire biosphere



Environmental Science is an Interdisciplinary science

Major Fields of Study That Contribute to Environmental Science	
Biology is the study of living organisms.	Zoology is the study of animals. Botany is the study of plants. Microbiology is the study of microorganisms. Ecology is the study of how organisms interact with their environment and each other.
Earth science is the study of the Earth's nonliving systems and the planet as a whole.	Geology is the study of the Earth's surface, interior processes, and history. Paleontology is the study of fossils and ancient life. Climatology is the study of the Earth's atmosphere and climate. Hydrology is the study of Earth's water resources.
Physics is the study of matter and energy.	Engineering is the science by which matter and energy are made useful to humans in structures, machines, and products.
Chemistry is the study of chemicals and their interactions.	Biochemistry is the study of the chemistry of living things. Geochemistry , a branch of geology, is the study of the chemistry of materials such as rocks, soil, and water.
Social sciences are the study of human populations.	Geography is the study of the relationship between human populations and Earth's features. Anthropology is the study of the interactions of the biological, cultural, geographical, and historical aspects of humankind. Sociology is the study of human population dynamics and statistics.



Sustainability

One of the main focuses of Environmental Science is to study the impact of humans on the environment

The environment is influenced by people and people are influenced by the environment

Sustainability is the condition in which human needs are met in such a way that the human population can survive indefinitely at a standard of living similar to the current one.

What Are Our Main Environmental Problems?

Resource Depletion

Resources are said to be depleted when a large fraction of the resource has been used up.

Pollution

Pollution is an undesired change in air, water, or soil that adversely affects the health, survival, or activities of humans or other organisms.

Loss of Biodiversity

The term biodiversity refers to the number and variety of species that live in an area.

<https://www.youtube.com/watch?v=8Vo6ZOQuook>

