

The Impact of Environmental Changes on Earth's Resources

Environmental changes, both natural and human-induced, have had profound consequences on our planet's resources and the delicate balance of its ecosystems. One of the most significant consequences of environmental changes is the depletion of natural resources. Deforestation, soil degradation, and habitat loss have accelerated due to various factors, including human activities and climate change. This depletion of resources threatens the stability of ecosystems and the availability of essential resources like clean water and fertile soil.



The greenhouse effect, driven by the release of greenhouse gases, has created an unprecedented challenge for our globe. Carbon dioxide and methane emissions, primarily from human activities, trap heat in the atmosphere, resulting in global warming. This phenomenon has led to more frequent and severe climate-related catastrophes, such as hurricanes, droughts, and wildfires.

In response to the deteriorating environmental conditions, there is a growing recognition of the need for sustainable practices. Sustainable agriculture, renewable energy sources, and responsible resource management are crucial components of this effort. Sustainable practices aim to ensure that the Earth's resources can meet the needs of present and future generations without compromising ecological balance.

Bài 1: Đọc đoạn văn và điền 1 từ thích hợp vào chỗ trống.

1. Environmental changes have resulted in the _____ of natural resources, posing a threat to ecosystem stability and the availability of essentials like clean water and fertile soil.
2. The release of greenhouse gases has led to the _____ greenhouse effect, causing more often and devastating climate _____ such as hurricanes and wildfires.

3. More people are aware of the significance of _____ actions, which emphasizes responsible resource management, to maintain _____ balance for the needs of present and future generations.

Đáp án:

1. depletion
2. unprecedented; catastrophes
3. sustainable; ecological

Đọc bài IELTS Reading topic Environment bên dưới và trả lời các câu hỏi trong bài 2, 3.

The Environmental and Economic Implications of Fossil Fuel Dependency

The historical significance of fossil fuels lies in their transformative impact on global societies and economies. The Industrial Revolution, fueled primarily by coal, marked a turning point in human history, leading to unprecedented advancements in manufacturing and transportation. Nevertheless, the dependence on fossil fuels has engendered a range of complex issues.

The extraction and combustion of fossil fuels have given rise to an array of environmental challenges. The release of greenhouse gases, particularly carbon dioxide (CO₂), has accelerated the greenhouse effect and contributed to climate change. Additionally, the extraction process often leads to habitat erosion and the degradation of ecosystems, thereby impacting ecological balance.

Fossil fuel consumption not only affects the environment but also has profound economic ramifications. Nations heavily reliant on fossil fuel exports are susceptible to economic volatility and geopolitical tensions. Moreover, the volatility in global oil prices can lead to significant economic catastrophes, as witnessed in past oil crises.

Recognizing the imperatives of mitigating climate change and preserving ecosystems, there has been a paradigm shift towards sustainability. Renewable energy sources, such as wind, solar, and geothermal power, have emerged as viable alternatives to fossil fuels. Transitioning to these sustainable energy options offers potential solutions to the environmental and economic challenges posed by fossil fuel dependency.

The continued reliance on fossil fuels, while offering undeniable benefits, presents a complex interplay of environmental and economic challenges. As global conversations center on the imperative of sustainability, the exploration of alternative energy sources becomes pivotal in shaping the future energy landscape.

Bài 2: Chọn đáp án đúng A, B, C, hoặc D.

1. What is the primary historical significance of fossil fuels mentioned in the passage?
 - a) Fossil fuels were instrumental in advancing early human societies.
 - b) Fossil fuels triggered the formation of geological deposits.
 - c) Fossil fuels initiated the Industrial Revolution.
 - d) Fossil fuels led to the discovery of renewable energy sources.
2. According to the passage, what is a key environmental consequence of fossil fuel consumption?
 - a) Enhanced ecological balance
 - b) Accelerated climate change
 - c) Decreased habitat erosion
 - d) Advancements in ecosystems
3. How does fossil fuel dependency affect nations reliant on fossil fuel exports?
 - a) It enhances economic stability.
 - b) It reduces the risk of geopolitical tensions.
 - c) It puts them under risks of economic fluctuation and geopolitical unrest.
 - d) It fosters global economic cooperation.
4. What does the passage suggest as a potential solution to the challenges posed by fossil fuel dependency?
 - a) Increasing fossil fuel consumption
 - b) Emphasizing dependence on fossil fuel exports
 - c) Transitioning to green energy sources
 - d) Ignoring climate change concerns

Bài 3: Nối mỗi khái niệm được đề cập trong đoạn văn với phần giải thích tương ứng.

Word	Explanation
The Industrial Revolution	A. Energy sources that are naturally replenished and do not deplete finite resources, such as wind, solar, and geothermal power.
Greenhouse effect	B. The state of unpredictability and fluctuation in economic conditions and prices.
Economic volatility	C. The ability to meet present needs without compromising the ability of future generations to meet their own needs.
Renewable energy sources	D. The phenomenon where greenhouse gases, including carbon dioxide (CO ₂), trap heat in the Earth's atmosphere, contributing to global warming.
Sustainability	E. A period of significant industrial and technological advancement, primarily fueled by coal, leading to major changes in manufacturing and transportation.

Đáp án:

1. The Industrial Revolution - E. Thời kỳ tiến bộ đáng kể về công nghiệp và công nghệ, chủ yếu sử dụng nhiên liệu bằng than, dẫn đến những thay đổi lớn trong sản xuất và vận tải.
2. Greenhouse effect - D. Hiện tượng các khí nhà kính, bao gồm cả carbon dioxide (CO₂), giữ nhiệt trong bầu khí quyển Trái đất, góp phần làm nóng lên toàn cầu.
3. Economic volatility - B. Tình trạng không thể đoán trước và biến động về điều kiện kinh tế và giá cả.
4. Renewable energy sources - A. Các nguồn năng lượng được bổ sung một cách tự nhiên và không làm cạn kiệt các nguồn tài nguyên hữu hạn như năng lượng gió, mặt trời và địa nhiệt.
5. Sustainability - C. Khả năng đáp ứng nhu cầu hiện tại mà không ảnh hưởng đến khả năng đáp ứng nhu cầu của thế hệ tương lai.