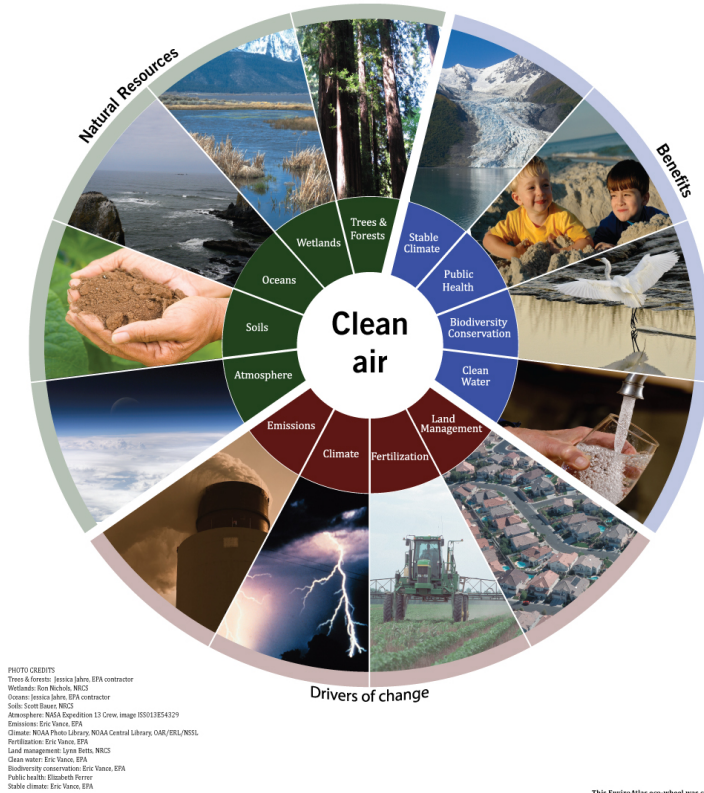


A7. Introduction to Natural Resources

Introduction to Natural Resources



Clean Water and Air

Clean water and air are essential components of a healthy environment. Clean water is vital for drinking, agriculture, and aquatic ecosystems. Clean air is crucial for human health and the well-being of all living organisms on Earth. Pollution in water and air can have severe consequences for ecosystems and human populations.

Health Environment

A healthy environment directly impacts human health. Clean air reduces the risk of respiratory diseases, while clean water prevents waterborne illnesses. Healthy ecosystems provide food, clean water, and resources necessary for human survival and well-being.

Governments and Wildlife

Governments play a crucial role in protecting wildlife and their habitats. They establish laws and regulations to prevent habitat destruction and protect endangered species. Conservation efforts can help maintain biodiversity and ensure the survival of various plant and animal species.

Society and Fossil Fuels

Society's dependence on fossil fuels for energy has led to environmental challenges. Burning fossil fuels releases greenhouse gases, contributing to climate change. Transitioning to cleaner energy sources, such as renewables, is essential to mitigate these environmental impacts.

Renewable Resources and Types

Renewable resources are sustainable sources of energy, like sunlight, wind, and hydropower. Unlike fossil fuels, renewable resources are abundant and do not deplete. They provide a way to meet society's energy needs while reducing environmental harm.

Preventing Pollutants is Important

Preventing pollutants from entering the environment is crucial. This includes reducing the use of harmful chemicals, practicing responsible waste management, and adopting sustainable agriculture and industrial practices. Preventing pollution helps maintain a clean environment and protects human health.

Conservation & Economy Balance

Conservation efforts must balance environmental protection with economic needs. Sustainable practices promote both conservation and economic growth. This balance ensures that future generations can enjoy a healthy environment while maintaining a strong economy.

New Technology

Advancements in technology are driving innovations in environmental conservation. New technologies help reduce pollution, improve resource management, and promote sustainable living. These innovations are essential for a sustainable future.

1. Which of the following is essential for human health and the well-being of living organisms on Earth?
 - a) Pollution
 - b) Clean water and air
 - c) Fossil fuels
 - d) Industrialization
2. What role do governments play in protecting wildlife and their habitats?
 - a) They encourage habitat destruction
 - b) They establish laws and regulations to protect them
 - c) They hunt and harvest endangered species
 - d) They prioritize economic growth over conservation
3. What environmental challenge is associated with society's dependence on fossil fuels?
 - a) Increased biodiversity
 - b) Reduced pollution
 - c) Greenhouse gas emissions and climate change
 - d) Improved air quality

4. What are renewable resources, and why are they important?
 - a) Limited energy sources that deplete quickly
 - b) Sustainable energy sources that do not deplete and help reduce environmental harm
 - c) Fossil fuels that are in high demand
 - d) Harmful chemicals used in agriculture
5. What is the primary purpose of preventing pollutants from entering the environment?
 - a) To increase pollution levels
 - b) To promote harmful chemicals
 - c) To maintain a clean environment and protect human health
 - d) To destroy ecosystems
6. What does a balance between conservation and the economy ensure?
 - a) Environmental destruction
 - b) Economic growth at any cost
 - c) A healthy environment and a strong economy for future generations
 - d) Depletion of natural resources
7. How do new technologies contribute to environmental conservation?
 - a) They worsen pollution
 - b) They drive innovation and promote sustainable living
 - c) They deplete renewable resources
 - d) They harm wildlife habitats
8. Which of the following is NOT an essential component of a healthy environment?
 - a) Clean water and air
 - b) Pollution
 - c) Biodiversity
 - d) Sustainable resources
9. Why is the transition from fossil fuels to renewable energy sources important for the environment?
 - a) Renewable resources are scarce
 - b) Fossil fuels are eco-friendly
 - c) Fossil fuels do not contribute to climate change
 - d) Greenhouse gas emissions from fossil fuels impact the environment

10. What is a benefit of clean air for humans?
- a) It decreases the chances of water-borne diseases
 - b) It increases chance of heart diseases
 - c) It decreases the chance of respiratory diseases
 - d) None of the above

ANSWERS & EXPLANATIONS

1. b) Clean water and air
 - Clean water and air are essential for human health and the well-being of living organisms on Earth.
2. b) They establish laws and regulations to protect them
 - Governments play a role in protecting wildlife and their habitats by establishing laws and regulations to prevent habitat destruction and protect endangered species.
3. c) Greenhouse gas emissions and climate change
 - Society's dependence on fossil fuels contributes to greenhouse gas emissions and climate change.
4. b) Sustainable energy sources that do not deplete and help reduce environmental harm
 - Renewable resources are sustainable energy sources that do not deplete and help reduce environmental harm.
5. c) To maintain a clean environment and protect human health
 - Preventing pollutants from entering the environment is primarily to maintain a clean environment and protect human health.
6. c) A healthy environment and a strong economy for future generations
 - Balancing conservation and the economy ensures a healthy environment and a strong economy for future generations.
7. b) They drive innovation and promote sustainable living
 - New technologies contribute to environmental conservation by driving innovation and promoting sustainable living.
8. b) Pollution
 - Pollution is not an essential component of a healthy environment.
9. d) Greenhouse gas emissions from fossil fuels impact the environment
 - The transition from fossil fuels to renewable energy sources is important because greenhouse gas emissions from fossil fuels impact the environment.

10.c) It decreases the chance of respiratory diseases

- The main objective of governments in protecting wildlife is to establish laws and regulations for conservation.