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Understanding Our Environment

Living & Non Living Things

Topic: Natural Resources

WATER

POLLUTION
Definition: Pollution means the spoiling of land, air and water.
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Development and Validation of Multimedia Package in Environmental Science and its Effect on Cognitive and Affective Outcomes of elementary students

Topic 1
Understanding Our Environment

The environment science includes all living and non-living things surrounding us. This includes land, water, air, plants and animals. Human beings are also a part of it.

The environment keeps on changing due to rise in population. As the population is increasing day by day, more and more trees are being cut down to make the houses.

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We are facing serious environmental problems such as:

- Global Warming
- Depletion of Ozone layer
- Air pollution
- Water pollution

Ocean Pollution
Land pollution

Preservation of existing endangered species.

Deforestation and soil erosion

Planting of trees should be encouraged.

Preventing pollution.

Use of polythene should be minimized.
Things that do not have life are called non-living things. They do not move on their own and also cannot breathe, grow, feel.

Examples: Rock, Fan, Car etc

Find out Living & Non-living things

The size of living things changes as time goes by

human
animal
plant
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Natural Resources

Nature has gifted our earth with many resources. These include rocks, soils, minerals, air, water, plants and animals.

USE OF NATURAL RESOURCES

1. Air: It gives us life supporting gases.
   - Oxygen
   - Hydrogen
   - Gases
   - Carbon dioxide
   - Nitrogen
Oxygen - For Human being and animals

Carbon dioxide for plants.

WATER -
It is a very important natural resource, without which life would have been impossible

It is also a medium of transport for Human Being

Oil is extracted from the beds of seas.

Electricity produced from rivers.
MINERALS
Deep within the earth is the stock of minerals, people require many minerals in their day-to-day lives e.g.

Examples

Educate people to stop misuse of resources.

"Mining of minerals should be minimized."

"Careful use of petroleum, coal and cooking gas."

"Steps should be taken to check pollution."

WAYS TO PROTECT NATURAL RESOURCES
"All living things need water. "Water is an important natural resource. "We use water for drinking, cooking, cleaning, bathing, watering the crops and in several other ways."
Sources of Water

- There is water in the seas, rivers, and oceans.
- We also collect rain water.

Use clean water for drinking

Drinking water should be either filtered or boiled properly to kill the germs.

Polluting water

Industrial waste & Human activities (Washing Clothes, Cattle, taking Bath etc.) are responsible for polluting water.

Don't Waste Water
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Pollution means the spoiling of land, air and water.

AIR POLLUTION: The mixing of harmful gases and other particles in the air is called air pollution.

The main causes of Air Pollution

- Smoke From Factories
- Vehicles
Air Pollution Causes breathing problems

WATER POLLUTION:-
When water sources are polluted, it causes water pollution.

Other Allergies Like Cough, Headache, Irritation of Eyes etc.

CAUSES OF WATER POLLUTION

Dumping of Households wastes.

Cause of Water Pollution
- Households wastes
- Solid waste
- Sewage Industry
- Land erosion

MAJOR WATER POLLUTION SOURCES
CAUSES OF WATER POLLUTION

"Dumping of chemical wastes from factories

Spilling of Oil

CAUSES OF WATER POLLUTION

Drinking polluted water may cause cholera, typhoid, jaundice etc.

EFFECTS OF WATER POLLUTION

Animals and Plants Die

NOISE POLLUTION
NOISE POLLUTION
The presence of loud noises in the atmosphere is called noise pollution

CAUSES OF NOISE POLLUTION

Car and Bus Horns

Aeroplanes and Jet planes

Loudspeakers

Machines in Factories
SOIL POLLUTION:
Mixing of harmful substances with soil is called soil pollution.

EFFECTS OF NOISE POLLUTION

Loss of Hearing

Headache and Irritation

SOIL POLLUTION:
Mixing of harmful substances with soil is called soil pollution.

Waste from Factories

Deforestation and soil erosion