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Class- 5, Subject- Science
Chapter-2, Lecture-2
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Chapter-2

Lecture-2

Environmental Pollution

2.Types of environmental pollution:

There are different types of pollution namely-

- i) Air pollution
- ii) Water pollution
- iii) Soil pollution
- iv) Noise pollution

Air Pollution:

Definition: The addition of harmful gases, dust particles, smoke or odour into the air into the air is known as air pollution.

Causes:

- i) Smoke emitted from vehicles and industries is one of the main causes of air pollution.
- ii) Smoke emitted from burning wood and garbage is also causes air pollution.
- iii) Throwing garbage or urinating anywhere causes the foul odour in the air.
- iv) Burning fossil fuels is also responsible for air pollution.
- v) Harmful chemical gases emitted from pesticides and fertilizers and they mixed with air is another reason of air pollution.

Effects:

- i) Air pollution can have negative effects on environment such as global warming and acid rain.
- ii) Air pollution can also make people sick with lung cancer, respiratory diseases etc.
- iii) Due to air pollution crop production will decreased.

Water Pollution:

Definition: Water pollution is the addition of harmful things to water.

Causes:

- i) Waste water from household or factories make water polluted.
- ii) Harmful things from sewage is also responsible for water pollution.
- iii) Washing clothes in river or pond is responsible for water pollution.
- iv) If we throw garbage and waste into water then it can pollute water.
- v) Fertilizer, insecticide and pesticides washed from agricultural field in also responsible for water pollution.

Effects:

- i) Water pollution can cause death of aquatic animals.
- ii) Water pollution can create disruption of water food chain.
- iii) Humans are affected by different types of skin diseases due to water pollution.

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- iv) People are also affected by different types of waterborne diseases because of water pollution.
- v) Due to water pollution people also have lack of drinking fresh water.

Soil pollution

Definition: Soil pollution is the contamination of soil with harmful things.

Causes:

- i) Soil polluted by excessive use of pesticide and insecticide in the agricultural field.
- ii) Extreme use of fertilizer for growing more crops is also responsible for soil pollution.
- iii) Soil can be polluted by leakage of chemicals or oils from factories.
- iv) Cutting down trees is responsible for soil pollution.
- v) Waste disposal from house and hospital is another reason of soil pollution.

Effects:

- i) Soil pollution can decrease soil fertility.
- ii) Soil pollution is responsible for death of plants.
- iii) Soil pollution can destruct plants habitats.
- iv) Soil pollution has negative impact on human health.
- v) People may get sick with various diseases including cancer by taking foods grown in polluted soil.

Noise pollution:

Definition: Noise pollution is sound in the environment that harms the health of human or animal life.

Causes:

- i) Unnecessary use of horns can cause noise pollution.
- ii) Playing songs in high volume and use of loud speakers or mikes also responsible for noise pollution.
- iii) Using big machinery in industry also cause noise pollution.
- iv) Poor urban planning is responsible for noise pollution.
- v) Different types of construction activities is another reason of noise pollution.

Effects:

- i) Noise pollution has severe mental and physical effects on human health.
- ii) Noise pollution can cause depression.
- iii) Due to noise pollution people loss their hearing capability.
- iv) People cannot have sound sleep due to noise pollution.
- v) Loss of productivity is caused by noise pollution.

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Exercise-2

Answer the following broad questions:

- 1) What is air pollution? Write three causes and effects of air pollution.
- 2) What are causes of water pollution?
- 3) What is noise pollution? What is the harmful impact of noise pollution?
- 4) Explain the negative impacts of soil pollution on human health
- 5) How are soil pollution and water pollution alike?