



স্বাধীনতা আন্দোলন (আম)

DEPARTMENT OF EDUCATION (S)

Government of Manipur

LESSON 16

ENVIRONMENT AND ITS PROTECTION

(A DIALOGUE)

NOTES:

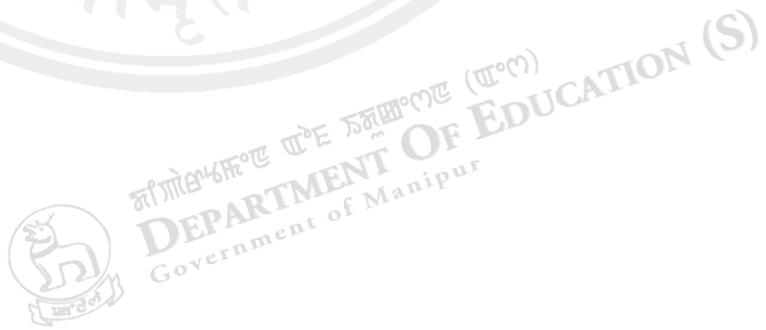
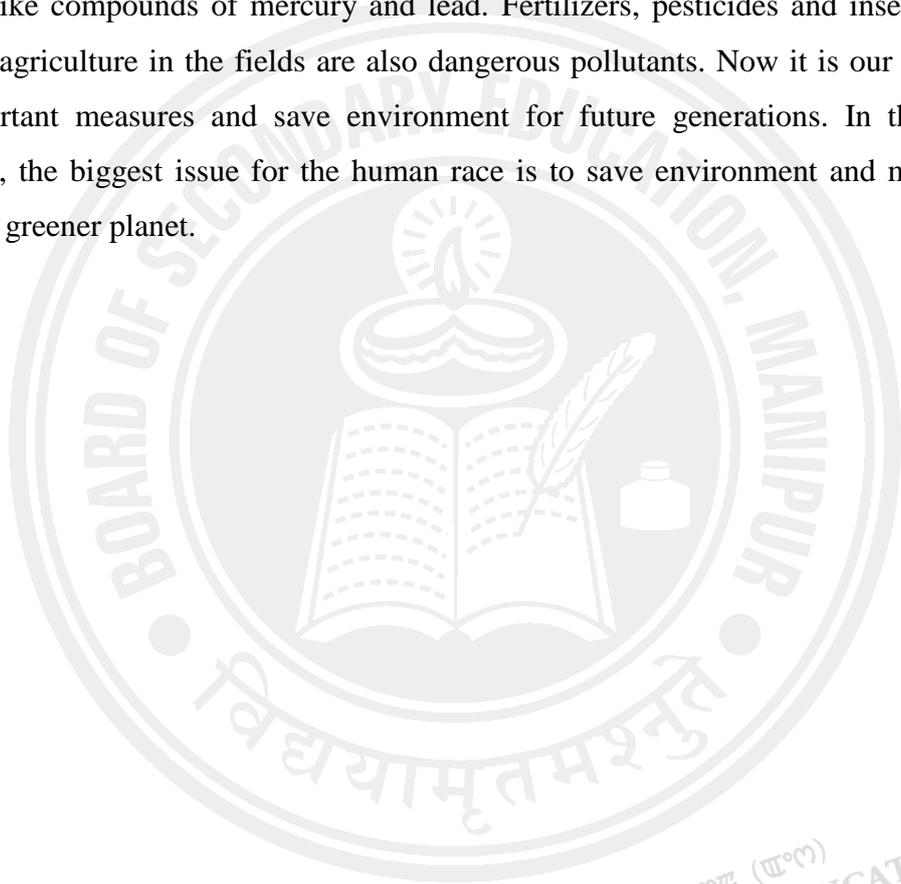
SUMMARY:

Mani is going to participate in an essay competition at his school on June 5, The World Environment Day. The topic is “Your environment and what you can do to protect it”. For this he wants his father to help him to prepare. His father explains about environment, the different components which constitute our environment; relationship between men and their environment; effects of deforestation etc. They also discuss about pollution and its harmful effects.

Environment means our surroundings. Air, water, animals, trees, in fact everything that surrounds us are the different components which constitute our environment. There is a close relationship between men and their environment. A man’s life-style, habit, occupation depend on his environment. Till very recently men had no idea about the relationship between man and his environment. To meet their need men have cut down so many trees. In most cases, trees are cut down and not replanted. Deforestation disrupts ecosystems and leads to many problems. Soil loses fertility and becomes degraded. Mud-slides and land-slides are a frequent occurrence now-adays in many places of the world. Trees give out oxygen. If we cut trees what is going to happen is that population won’t stop growing but oxygen in the atmosphere will reduce.

Another thing that is of great threat to our environment is pollution. It is the process of making land, water, air or other parts of the environment dirty and not safe or suitable for use. The father and the son further discuss about air pollution which is mainly caused by the burning of coal, petrol etc. Mani is curious to know about acid rain. Acid rain is a kind of rain that contains acid in it. The smoke emitted by the motor vehicles and also by the factories contains a gas called Sulphur dioxide. This gas mixes with water vapour in the atmosphere and sulphuric acid is formed. This acid, when it comes down with the rain water, causes a lot of harm.

Mani has heard about ozone layer and the holes in it, but he does not know exactly what it is. His father explains that the ozone layer is important to life on the earth because it is a kind of shield that blocks the ultra violet rays. Refrigerators, air conditioners and aerosol sprays are very common things today and these things use a kind of gas called Chlorofluoro carbon, CFC as coolants. This gas escapes and finally reaches the ozone layer and depletes the ozone. Water pollution is caused by several human activities. The liquid wastes that are thrown out by factories and industrial plants into rivers, lakes, seas etc. contain highly toxic chemicals like compounds of mercury and lead. Fertilizers, pesticides and insecticides that we use for agriculture in the fields are also dangerous pollutants. Now it is our duty to take some important measures and save environment for future generations. In the so-called modern era, the biggest issue for the human race is to save environment and make earth a cleaner and greener planet.



WORD MEANINGS:

Vague	:	<i>unclear, uncertain</i>
Components	:	<i>parts with which something is made</i>
Constitute	:	<i>make up; form</i>
Coastal area	:	<i>area near the coast or shore of a sea or ocean</i>
Absolutely	:	<i>extremely</i>
Elaborate	:	<i>explain</i>
Respiration	:	<i>breathing</i>
Exhaust pipe	:	<i>pipes in vehicles, etc. through which exhaust gases come out</i>
Industrial plants	:	<i>industrial factories</i>
Emitted	:	<i>released</i>
Shield	:	<i>a protection specially by forming a barrier</i>
Aerosol sprays	:	<i>containers that have liquid in it under pressure to kill body odour, etc.</i>
Coolants	:	<i>a liquid used for cooling something</i>
Depletes	:	<i>to reduce something by a large amount</i>
Aquatic	:	<i>living or growing in water</i>



DEPARTMENT OF EDUCATION (S)
Government of Manipur