

Prepared by:
LamyeaAlam
Assistant Teacher (Science)
Cosmo School
Class-5, Subject-Science
Class date-20/09/2020

Chapter-12(Climate Change)

(Lecture-1)

Climate:

The usual weather pattern at particular place for a long period of time

Climate change:

A significant and persistent change in the climate and its variability is called climate change. The climate of an area does not change suddenly.

Atmosphere:

An atmosphere is the layers of air that surround earth's surface.

1.Global warming:

Gradual increase of the earth's average temperature. Climate of our earth is changing gradually due to this global warming.

Green House:

Green house is made up of glass. It traps the Sun's heat. It helps to keep plants warm and alive in extreme cold weather.

Greenhouse effect:

The phenomena of trapping heat in the atmosphere through water vapor, carbon dioxide and other gases is called greenhouse effect.

Greenhouse gases:

The gases that trap heat causing greenhouse effect is called greenhouse gases.

Name of greenhouse gases:

1. Water vapor (H_2O)
2. Carbon dioxide (CO_2)
3. Methane (CH_4)
4. Nitrous oxide (N_2O)
5. Chlorofluorocarbons (CFC)

Prepared by:
LamyeaAlam
Assistant Teacher (Science)
Cosmo School
Class-5, Subject-Science
Class date-20/09/2020

Human Activities and the Global Warming:

- a. Massive use of fossil fuel is the main cause of global warming. Such as: burning coal, oil and gas produces carbon dioxide. A lot of carbon dioxide emits into the air due to the burn of these fossil fuel.
- b. Human are cutting down trees for meet up their regular needs. As a result, the carbon dioxide in the air is increasing day by day and the temperature of the earth is increasing.

Observational Facts of the global warming

Due to cutting down trees and burning fossil fuel the amount of the greenhouse gases in our environment are increasing day by day. As a result, ice over Himalayan mountain range and polar region are starting to melt. The sea level rises due to the melting of ice and thermal expansion of sea water.

Worksheet

- 1.What is global warming?
- 2.What is the main cause of global warming?
- 3.Why the inside of greenhouse remains warm? Explain.
- 4.Write a sentence on how the climate is changing due to global warming.
- 5.What are the greenhouse gases?
- 6.What is called climate change?
- 7.Write down two names of fossil fuel.

[Student should solve the questions of worksheet in their home copy]