

Lecture Sheet-3

Chapter: 6 Climate and Disaster

Topic-3: Drought

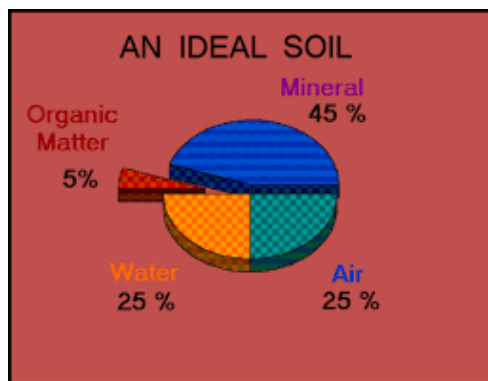
Notes:

- **At first read the related topic from the text book.**



- **Drought:**

A prolonged period of abnormally low rainfall, or a long period when there is little or no rain leading to a shortage of water.

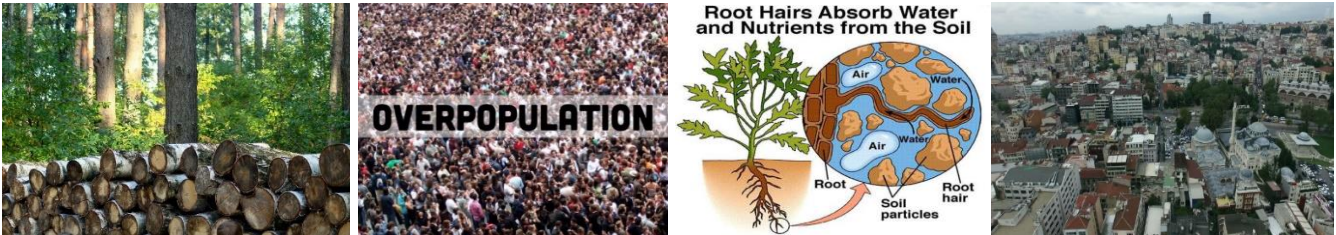


● **Causes of Drought:**

The drought may be caused by both man-made and natural reasons.

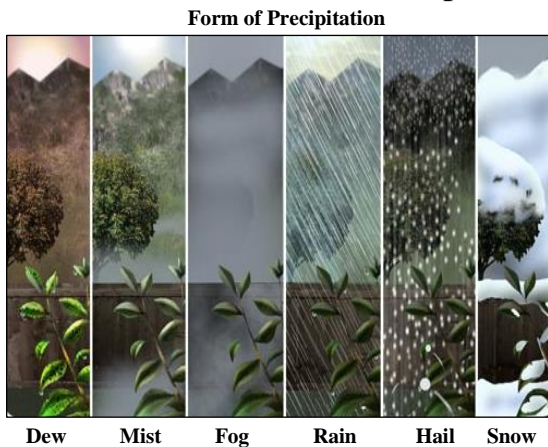
1.Human causes of drought:

- a) Cutting down trees, because the roots hold water in the soil, and the leaves put moisture back in the air
- b) Poor cropping methods
- c) Overpopulation
- d) Over-cultivation
- e) Too much building covers the ground with concrete so that it does not absorb water.



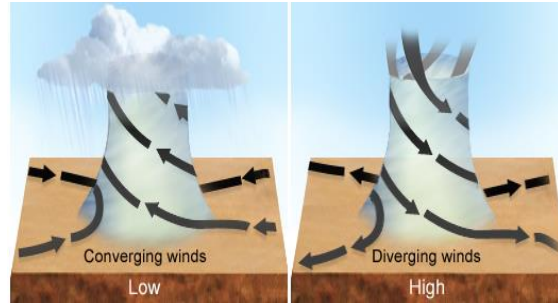
2.Natural causes of drought:

- a) Lack of a precipitation
(The meaning of **Precipitation** is a form of water from the atmosphere. It includes rain, snow, sleet, ice pellets dew, frost, and hail).
- b) High temperature, strong wind
- c) Low pressure storm system
- d) Land and water temperature cause drought





Strong wind



Low- and high-pressure storm system

- **The effects of drought:**
 - a) Rivers, wells, lakes and canals dry up
 - b) It is harder to cultivate crops in the fields
 - c) Fodder for cattle becomes scarce
 - d) There is no rain water to drink
- **Ways of preventing drought:**
 - a) Planting more trees
 - b) Recycling organic waste
 - c) Harvesting water from the air
 - d) Drip irrigation
 - e) Rain water harvesting
 - f) Desalination of water

***Please find below the images related to the aforementioned points in a sequential order:**

(a)

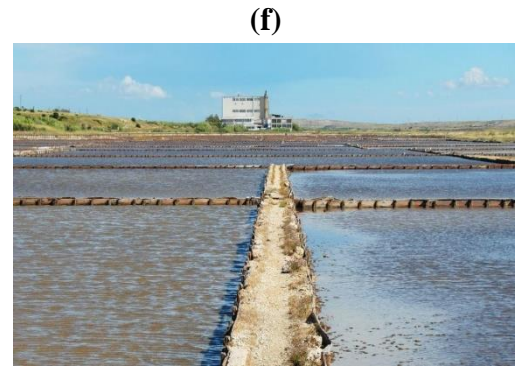
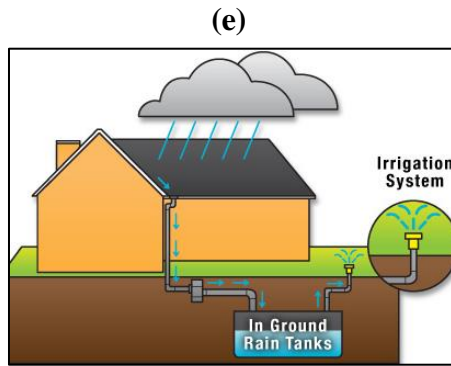
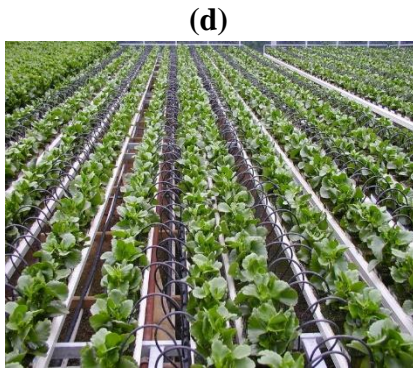


(b)



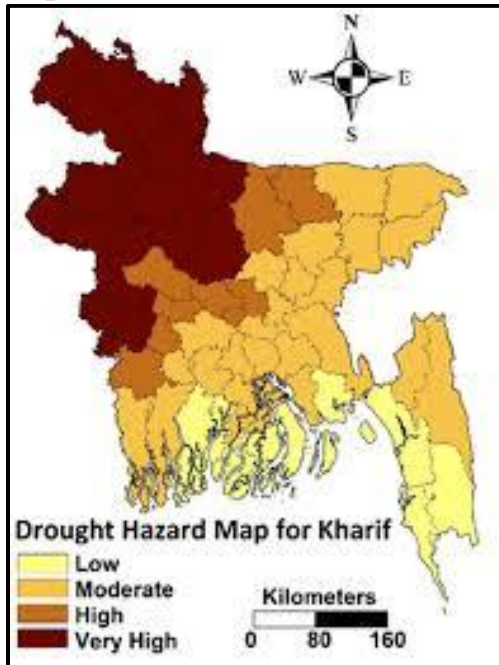
(c)





- **Some parts of Bangladesh that are most prone to drought:**

We have drought in this area most in summer season. For example: Especially in the north- west (Dinajpur, Rangpur, Rajshahi and Bogura district) where there is less rain in summer and fewer rivers. South-western part also facing drought impacts.

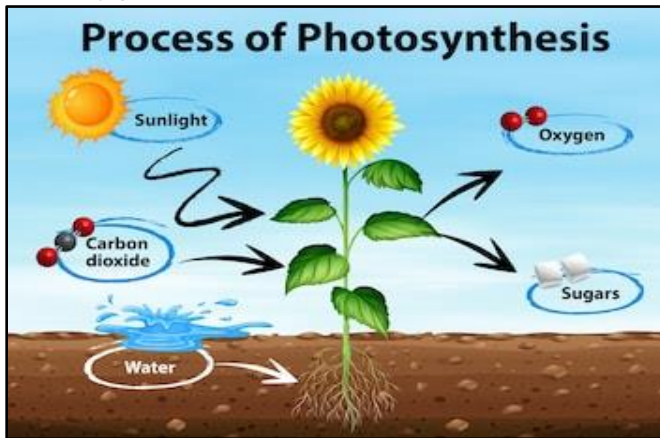


- **Importance of trees:**

We should not trees cut down without any inevitable reason because:

- a) Trees improve the life and fulfil essential needs of mankind.

- b) conserving water
- c) preserving soil
- d) supporting wildlife
- e) During the process of photosynthesis, trees take in carbon dioxide and produce the oxygen we breathe.



- **Causes of cutting down trees/ Causes of deforestation:**

Deforestation may be caused by man-made and natural reasons.

1. Natural causes:

- a) Hurricanes
- b) Forest fires
- c) parasites and floods

2. Man-made causes:

- a) Agricultural expansion
- b) Cattle breeding
- c) Timber extraction
- d) Mining
- e) Oil extraction
- f) Dam construction and infrastructure development etc.

- **Effects of cutting down trees/ Effects of deforestation:**

- a) Climate change
- b) Desertification
- c) Soil erosion
- d) Fewer crops
- e) Flooding
- f) Increased greenhouse gases in the atmosphere.

- **How can we preserve trees?**

- a) We have to plant more and more trees and plants instead of cutting them.
- b) Teach others about the importance of the environment and how they can help save rainforests.
- c) Encourage people to live in a way that doesn't hurt the environment.
- d) Establish parks to protect rainforests and wildlife

A. One Sentence Question:

- a) What will happen if you only cut down trees instead of planting? [2017]
- b) Write one way of preventing drought? [2017]
- c) Which parts of Bangladesh are most prone to drought? [2016]

B. Creative Question:

- a) What is drought? Why it is occurred? Write 4 bad effects of drought. (2018)
- b) Why should not trees cut down without any inevitable reason? Write down two kinds of possible damage to environment due to cutting down trees. Write two things you should do to preserve trees. [2016]
- c) Why should not trees cut down without any inevitable reason? Write the ways of prevent drought.

PS: * Study the lecture sheet. Here is included the PEC questions. Please find the answers in the work sheet-4.

*** What you have learnt today, that you have to orally share the lesson with your afternoon teacher.**

Thank you
Samia Laboni