



KALPAVRUKSHA MODEL SCHOOL

Online class Assignments

Class: VII

Sub: Chemistry

Date: 23.06.2021

Topic: Water a precious resource

I. Answer for the following questions:

1. Define: a) Scarcity of water b) Deforestation

Ans: a) Scarcity of water: It is defined as a situation where there is insufficient water to satisfy normal requirement.

b) Deforestation: Cutting down of trees in large quantities is known as deforestation.

2. Explain the various factors contributing to the depletion of water table?

► Ans: **Increasing population:** Growing population has resulted in a growing demand for houses, offices, shops, roads, etc.

As a result, open areas like parks and playgrounds are used for construction, this reduces the seepage of water into the ground, more over construction requires more water.

Increase industries: The rapidly growing population has also resulted in an increase in the number of industries. Water is used in almost every stage of production of things that we use. This has put a heavy load on the fresh water ecosystem.

Agricultural activities: India is an agricultural country and farmers have to depend on rain for irrigating their fields.

However, erratic monsoons result in excess use of ground water there by decreasing the underground water.

Deforestation: Roots of trees have the ability to bind the soil, and thus enable it to hold water. With deforestation, the number of plants decrease, hence the water keeps flowing towards the sea and the ground water is not charged.

Uncontrolled use of bore wells: Farmers have overexploited groundwater resources in our country due to uncertain monsoons and an unreliable state water supply. Pollution of freshwater resources: This is due to the discharge of untreated domestic sewage, toxic industrial waste water, and harmful pesticides and insecticides into water bodies.

No effective measure for water conservation: Very little has been done for ground water recharge and for protecting fresh water system.

3. What are the effects of water scarcity on plants?

Ans: Water is very important for plants growth; its deficiency weakens the plant. When plants will not get sufficient amount of water, they do not grow to their expected height, have reduced *photosynthetic* activity, and produces less harvest than expected. Without water, plants will die due to diseases. This may result in a lack of food, oxygen and rain, and eventually end all forms of life on the earth.