

Item-12

Optimum use of groundwater

Objective

1. To realise that water should not be wasted.
2. To be sensitised about the decreasing level of ground water.



Background

Many studies on water suggest that groundwater is under serious threat because of overuse in many parts of the country. More than 300 districts in our-country have reported a groundwater level decline of over four metres during the past two decades. It has been noticed that nearly two-thirds of the country is overusing groundwater resources.

Methodology

Explore and find out in detail about the following.

1. What are the sources of water in your neighbourhood?
2. Are you using groundwater directly or indirectly?
3. What is the approximate consumption of groundwater in your house?
4. What are the reasons for the changes in the pattern of water consumption?
5. Why is groundwater overused?
6. Can there be development without overuse of water?
7. Collect information about WLTA act?



Conclusion

Have you ever calculated how much water you are using in one day? What is the source of water supply? How water is reaching the source? How the water you have used in reimbursed?

The usage of water by the human beings for the domestic agricultural and industrial use in day by day increasing. We are getting what even the clean and pure water necessary for our usage in through rain, which percolates into the deeper layers of the soil. Since the water used per annum is more than the water percolated is more, we have to dig the bore wells more deeper every year. We are not allowing the ground water to get recharged.

Are we using our wisdom in the usage of water? We drawing ground water from deeper layers of the soil and using it for washing, flushing toilets and watering the plants. The water once used is going into drains. We are not following any method to recycle the water. In agriculture also, we are not following any method to conserve water. We are using more water than needed.

In cities multistoried buildings are built, but the methods for reducing wastage of water are not followed. In many parts of country people are suffering from shortage of potable drinking water. The need of the hour is to save every drop of water, reduce wastage, reduce pollution of water and recycling of water, Everybody our should know about water harvesting pits, water management and practice them.

Based on your survey list the reasons for the decline in the level of groundwater.

Follow-up

1. Find out the methods that should be adopted to improve the quality and increase the quantity of groundwater.
2. Suggest measures to recycle water in your locality/colony.
3. What happen in future when we dig borewells unwisely?

We are using large number of use and throw material like plates and glasses during festivals, marriages, etc. We used to drink a disposable glass of water per five minutes but decomposition takes place more than hundred years. We are polluting the world by our anwise actions. These heaps of wastes do not allow water percolate into soil. It results in declaining of ground water levels.

