



WASTE NOTHING - A CIRCULAR ECONOMY PERCEPECTIVE

B. K. Sharma¹, Ph. D. & Tanu Gupta²

¹Principal, C N S Y M (P G) College DIHULI, Mainpuri

²Research Scholar, Dayalbagh Educational Institute, Agra

Abstract

It is an emergency sign which we have seen now a days, not only in dessert but now most of the Indian cities are about to dry with underground water. It is big matter of concern. On one hand we say that there is no more fresh water in underground and on other hand we discuss about a lots of floods tsunamies etc. the reason behind it is that, we have no proper plan for recycling of used water and surface water. Until we will not use to recycling of available resources, One day we will have to lose them. In this article we are trying to explain the cheap and best methods of recycling.

Key Words : *Economy Perspective, Water cycle, Hydrogen Cycle, Recycling, Groundwater Surveillance*

Discussion And Results :

Water, the earth and life: Water, around, which civilization developed, is an important to life sustaining substance. It is the most common and yet the most precious resource on earth without which there would be no life on earth. It has a major role in influencing process, which is as varied as shaping the land surface, regulating the climate to govern the distribution of humans and evolving the growth of various civilizations. Chemically, water is a compound consisting of two atoms of hydrogen and one atom of oxygen (H₂O) and can exist in the three forms, solid (ice at 0oc), liquid water at normal room temperatures) and gas (water vapor). Water derives its unique properties of being universal solvent. Today quantity of water on our planate is nearly constant and it keeps circulating through what is called the water or hydrologic cycle.

Theme: As our theme says if we waste nothing then our economy will be manage in circular way because in nature, there is nothing to waste, everything can be recycled. It is the concept based on the law of conservation of Matter or energy.

Water recycling is the need of survival of life. Water is the liquid source which is provided by nature to us for our lives. It is our basic need to keep you alive. Every human being, plants,

trees, animal's priority to grow, birth, fertility & refreshment. Without water there are no lives on planet. Also called universal solvent because it dissolve more things than any other solvent.

Under certain conditions, water also forms a super critical fluid. The alternative name of water is oxidane which is only used in chemistry as the mononuclear parent hydride. The polarized form of water, $h^+ oh^-$, is called hydrogen hydroxide.

The water word comes from the old English word waeter which means wet.

Water is the main compound found in living organisms' approx 62% of our body contains water. Pure water is odorless, flavorless & colorless.

Only 2.5% of earth water is fresh approx 98.8% of water is in the form of ice & ground water.

Use

W-With

A- Appropriate/ amount

T- till requirement

E- Enrichment

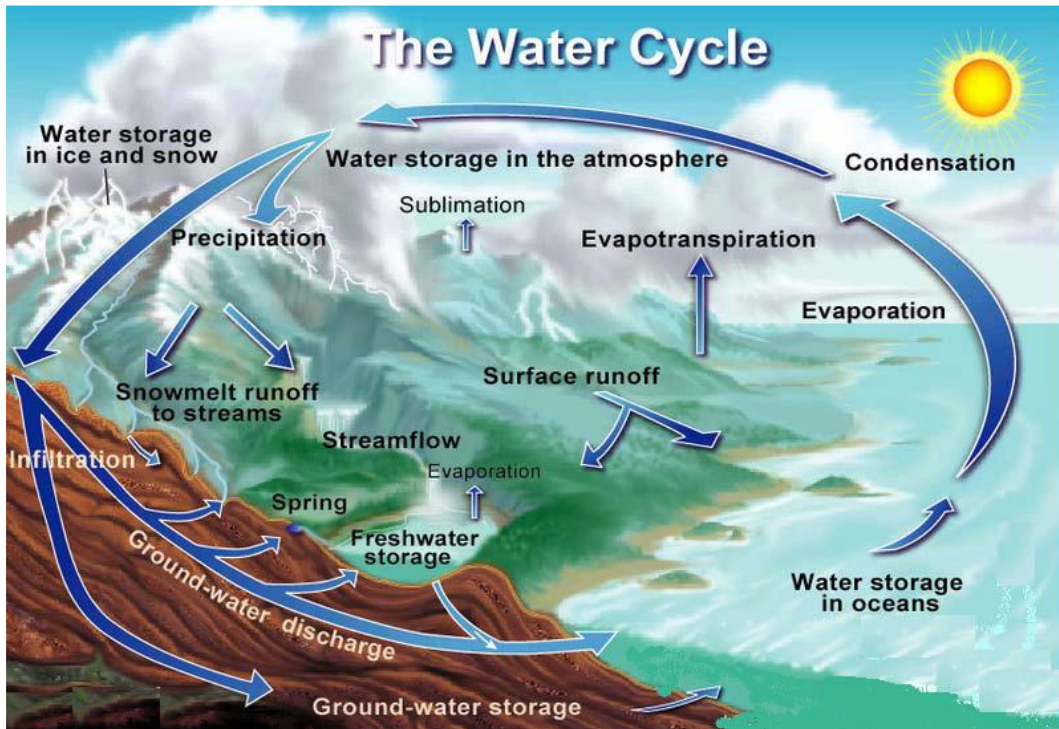
R- Recycle & reuse

Recycling word made from re + cycle which means re- again and again, cycle- wheel, circle.

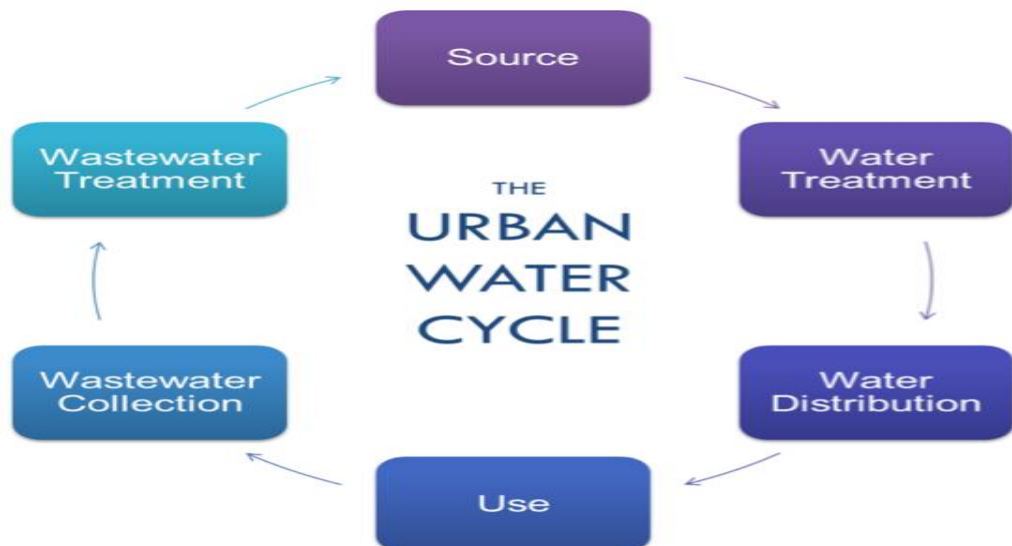
In a nutshell we can say what goes around comes around. It is a process of rebuild of new things from used things. Recycling is a way to save environment and economy to use waste thing by producing new things from the waste. It is actually beneficial for society, community, environment, nature and human beings. It saves energy, save resources and reduce amount of waste.

Hydrological cycle:

The endless circulation of water between ocean, atmosphere, and land is called the hydrologic cycle. Our interest centres on the land-based portion of the cycle as it might be operative on an individual watershed. A schematic diagram of the hydrological cycle on a watershed is given below. They are introduced here primarily to provide the reader with a diagrammatic introduction to hydrologic terminology.



Water recycling- water recycle is the term which is used for reuse of waste water in a productive manner. Water recycling prevents us to store of waste water. It can be use for refilling of ground water, in agriculture and for plantation, cleaning etc. water recycling is itself a production which saves fresh water from wastage and also prevent natural resources as we know only 2.5% of water is for use if we waste it , it will finish our lives one day.



Benefits of water recycling in Urban areas - the big benefit is to save water resources from wastes so that future generation will learn how to restore, recycle and reuse our resources.

We can save earth by hollow digging and storage of waste water. Water recycling use in many ways like agriculture, washing, cleaning, building making etc

Water recycling will satisfy at most demand it'll fulfill the needs and water can be available at scarcity area. With recycling we can use water in industries, commercially, residences so the recycled water can fulfill their demands and fresh water can be save for other usage beside drinking or in taking for food.

agriculture	commercial	industrial	residential

Benefits of groundwater Recharging:

1. It create the recharging of waste rain water in under ground storage
2. It improves the water table of the surrounding areas.
3. As increase in water table, cost of lifting Groundwater may decrease.
4. Due to improvement in groundwater quality crop production can be increased.
5. We can get the benefit of investment for longer period of time.

Suggestion: in India , it is needed to change and apply an effective **Groundwater Surveillance Policies.**

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USGS Science for a changing word.

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