



Sample CBSE Expression Series Submission Sheet

Fill all details. All fields are mandatory:

Name of Participant: Jasmine Kaur Class: XII-A Gender: M/F/Other ✓

Differently Abled: Yes/No (tick one)

Name of the School with complete address: Bibi Kaulan Ji Public School

Name of City/Village: Amritsar State: Punjab

Contact Number of participant/parent (whichever is applicable): 98156-94593 Contact No. of

School: 9876525882 Email address of participant (whichever is applicable):

Write Here: "Indianizing the global measures for water conservation"

(By Jasmine Kaur, student of XII-A std)

Water conservation includes all the strategies and activities to sustainably manage the natural resources of fresh water, to protect the hydrosphere and to meet the current and future human demand. Population, household size and growth and affluence all affect how much water is used. Factors such as climate changes have increased pressure on natural water resources especially in manufacturing and agricultural irrigation. Many countries have already implemented policies aimed at water conservation with much success. Here, we should have the goals for conservation of water, ensuring availability of water for future generations where the withdrawal of fresh water from an ecosystem does not exceed its natural replacement rate. One strategy in water conservation is rain water harvesting. Digging ponds, lakes, canals, expanding the water catching etc.





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**Write Here:** Water reservoir and installing rain water catching ducts and filtration systems on homes are different methods of harvesting rain water. Many people in many countries keep clean containers so they can boil it, which is useful to supply water to the needy. Harvested and filtered water can be used for toilet, home gardening, lawn irrigation and small scale agriculture. Another strategy in water conservation is protecting ground water resources. When precipitation occurs, some infiltrates the soil and goes underground. Water in this saturation zone is called ground water. Contamination of ground water causes the groundwater supply to not to be able to be used as a resource of fresh drinking water and the natural regeneration of contaminated groundwater can take years to replenish. Some examples of potential source of groundwater contamination includes storage tanks, septic system, uncontrolled hazardous waste, landfills, atmospheric contaminants chemical and road salts. Contamination of ground water decrease the replenishment of available fresh water so taking preventative measures by protecting groundwater resource from contamination is an important aspect of water conservation. An additional strategy to water conservation is practicing sustainable methods of utilizing groundwater resources.





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**Write Here:** Groundwater flows due to gravity and eventually discharges into streams. Excess pumping of groundwater levels & if continued it can exhaust the resource. Sustainable use of groundwater is essential in water conservation. A fundamental component to water conservation strategy is communication & education outreach of different water programs. The Home Water website contains useful information on household water conservation. Some of the water saving technology for the home includes:

- Low-flow shower heads sometimes called energy-efficient shower heads they also use less energy.
- Dual flush toilets created by caudex includes two buttons or handles to flush different levels of water. Dual flush toilets use up to 67% less water than conventional toilets.
- Low-flush toilets, composting toilets and incinerating toilets. Composting toilets had a dramatic impact in the developed world, as conventional water western flush toilets use large volume of water.
- Faucet aerators, which break water flow into fine droplets to maintain "netting effectiveness" while using less water.

Water storage has become an increasingly difficult problem to manage. There are a variety of methods used in the

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**Write Here:** treatment of waste water to ensure that it is safe to use for irrigation of food crops and drinking water. From here, we can conclude the whole article. Hence, water being an ongoing reliable source around the world, it will not be available forever. When top energy consumers includes the US and China, along with environmental factors affecting these two regions, there is no doubt that this variable resources will be limited on earth. Water scarcity is no joke and shouldn't be taken lightly for it has great effect on food production, our farmlands, our health and our economies. To better and preserve our natural resources, action and attitudes towards sustainability must stay at a high level throughout nations who are willing to work together towards the same goal.

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