*Water Conservation*

**Conserve**: preserve, save something Diya Patel

**Problems Now:**

* High and fast population increase in only certain areas causing water drought.
* Ex: India has 1/6 of world population and they use lots of water for cleaning clothes, dishes, and their body and for drinking.
* Households are big- use more water since there are more utilities and there is more technology.
* Mansions have many rooms which will need lots of bathrooms that run water.
* Irrigation appliances
* Dirty water so people throw it away instead of filtering it
* Landfills and tanks don’t recycle the water that’s there so we have less water
* Groundwater can’t be reached deep down so it takes time for that water to reach a sewer while if flows.

**Solutions used now:**

* Low-flow showers and Low-flush toilets are being applied- use mostly air
* Faucet aerators- change running flow of water in droplets
* Protect groundwater resources
* Timers on garden faucets for watering the garden

**My Solution:**

We could add timers on sink faucets for 3-4 minutes so that if it goes beyond the time, it will turn off by itself. That way, we won’t waste water while brushing teeth or washing our hands. We can also add the same thing on showers but for around 10 minutes. This way, water won’t be wasted more than it should be used. There can also be a time limit for when you start and end. For example, if you start brushing at 8:30 p.m., then it will wait for 7 minutes until it resets the 4 minutes so that u can turn off the faucet. It could also wait another 30 minutes after the one time so people can’t go back and continue wasting water. (Also a solution now.)

Another solution is to conserve water that falls in the ground from the roof on rainy days. We can connect a hose or tube to bottom of the pipe that runs underground. It will end at a water tank that will be installed at the bottom of the house. Afterwards, to use that water, we could add a pump that can pump water to the top. We could use the garden hose to connect it to the pump and during the summer, we can use that water to water our garden and plants. Adding a filter/ metal ring to the end of the pipe that connects to the tank could take out all the big garbage.

**Rain Barrels**

* Rain Barrels are containers that collect and store rainwater.
* Water collected is used for gardening water and for watering crops. Some people also use the water around the house and for households.
* Rain barrels are installed under the pipe from the roof to gather that water since it just runs into the ground.

**Websites:**

<https://en.wikipedia.org/wiki/Rainwater_tank>

<https://www.bing.com/images/search?q=images+of+rain+barrels&qpvt=images+of+rain+barrels&qpvt=images+of+rain+barrels&qpvt=images+of+rain+barrels&FORM=IGRE>