

Team Name: Greenovation Nation

Team Members: Ryan Wang, Tommy Yuan, Mahdi Khan, Al Qasemi

Username: Greenovation Nation

School: Jericho High School

List of things Water gives us:

1. Drinking Water - This is a staple to all human life, so it should be important, yet nearly all of us who have regular access to it take it for granted.
2. Food - Without water, many people would be starving or dead; Utilizing irrigation systems in agriculture are the most crucial aspect, other than sunlight, for fueling photosynthesis in plants, consequently leading to masses of crops.
3. Hygiene - Over the past couple of years, hygiene has been emphasized daily within our lives and ingrained into our lives. Thanks to water, we are able to maintain good hygiene through washing our hands, brushing our teeth, and bathing ourselves.
4. Health - Protecting ourselves from germs is important, but we must also keep our bodies in a functional condition. In basic biology, water brings nutrients and oxygen to our cells, eliminates waste, maintains body temperature, and lubricates joints.
5. Clothing - Clothes are things we use not only for warmth, comfort, and protection from the elements, but also for fashion use an unfathomable amount of water to produce. On average, it takes 2,700 liters of water to produce a regular T-shirt, and that doesn't account for things like washing it.
6. Home - During times, like Spring Cleaning Day, water saves us all from the seemingly infinite amount of dust always collecting in our houses. But it's not just houses, water is also used for cleaning cars and public spaces to name a few..
7. Sanitation - Water is essential to the filtering of sewage systems and waste treatment. Without it, disease would spread like wildfire, with no way of stopping it in its tracks.
8. Pharmaceuticals & other medical Paraphernalia - Within virtually all pharmaceutical products, water is used. It is extensively employed as a fundamental component, constituent, and dissolving agent in the production, creation, and formulation of pharmaceutical items, active pharmaceutical ingredients (APIs), intermediates, and analytical reagents.
9. Devices - As I write this, I'm completely dumbfounded by the amount of water it takes, on average, to build a laptop like the one I'm currently using. 190,000 liters. As for something like a phone, it takes 14,000 liters of water to manufacture.
10. Basically, almost everything we encounter and use in our daily lives implement water

What surprised you about your relationship with water?

My Response: Personally, after taking some time to think, I've concluded that my relationship with water is nearly an abusive one. The amount of water I waste in my day-to-day activities may seem insignificant in the moment, but really do accumulate into something meaningful.

My father: “Growing up in a village where clean water was a scarce commodity, I was always grateful for the little amount of water I received. Moulvibazar (village in Bangladesh where my father grew up) had lakes and ponds with muddier shades than the darkest browns. What we used to do was set out cups and pots when it rained, and just drank that because some days we didn’t have the means to boil it. After moving to America, the situation was flipped on its head and I’ve been grateful for it ever since.”

My friend: “As a lifeguard, my relationship with water may be a bit biased. Oftentimes, watching the waves invokes a calm and peaceful mood. However, being a lifeguard has helped me realize the duality of water; its serenity at one moment and its danger at another. Of course, its innumerable uses in the making of things all around us is another key aspect of its importance and has only added to my reasons for appreciating water.”

How can you be more mindful and appreciative of water going forward?

My Response: Going forward, being mindful of the minimum amount of water needed for day-to-day actions like washing hands and bathing is crucial to prevent as much waste as possible. Not only that, but also providing water to those who don’t have regular access to clean water. I think everyone’s mindset should embody the message conveyed by this quote: ‘You never know the worth of water until the well is dry.’ - Thomas Fuller. This reinforces the idea that we shouldn’t take water for granted; although 70% of the Earth’s surface is covered in it, it is still something that is becoming less accessible to people around the world. Another thing is to be more conscious of your water footprint.

My father: “Be sure to not take a single drop of water for granted or waste any. Things like turning off the sink when brushing your teeth, preventing leaks, and being aware of the amount of water you’re using, can collectively help make a big impact.”

My lifeguard friend: “In general, attempt to conserve as much water as possible. Also, potentially try to advocate for change in certain policies, and vote for more money to be invested in water infrastructure and the issues of lead pipes in America.”

Infographic:

GREENOVATION NATION SEA ANIMALS

@Greenovation Nation

DRINKING WATER

This is a staple to all human life, so it should be important, yet nearly all of us who have regular access to it take it for granted.



HYGIENE

Over the past couple of years, hygiene has been emphasized daily within our lives and ingrained into our lives. Thanks to water, we are able to maintain good hygiene through washing our hands, brushing our teeth, and bathing ourselves.



DEVICES

As I write this, I'm completely dumbfounded by the amount of water it takes, on average, to build a laptop like the one I'm currently using. 190,000 liters! As for something like a phone, it takes 14,000 liters of water to manufacture.



FOOD

Without water, many people would be starving or dead; Utilizing irrigation systems in agriculture are the most crucial aspect, other than sunlight, for fueling photosynthesis in plants, consequently leading to masses of crops.



PHARMACEUTICALS

Within virtually all pharmaceutical products, water is used. It is extensively employed as a fundamental component, constituent, and dissolving agent in the production, creation, and formulation of pharmaceutical items, active pharmaceutical ingredients (APIs), intermediates, and analytical reagents.



SANITATION

During times, like Spring Cleaning Day, water saves us all from the seemingly infinite amount of dust always collecting in our houses. But it's not just housing, water is also used for cleaning cars and public spaces to name a few.

