

5/22/19

Dear Jacques Cousteau,

My name is Caolain Rosencranse. I am 8 years old and go to Slingerlands Elementary school. I am also a HUGE fan of you, the ocean and water. So many terrible things have happened to it. For example: people put plastic in the ocean which will break down and get in fishes gills! Then we eat the fish and the plastic gets in our bloodstreams. Another thing that is bad about plastic will get in fish then the fish will die and that will affect the food chain and the food web. Plastic is also horrible because some of the biggest and largest rivers are most polluted! That will make it contaminated to. Now, there is a place called the Great Pacific Garbage Patch which is a part of the pacific and is rotating. But, there is a solution! An inventor named Boyan Slat raised money for an invention called the Ocean Cleanup Crew! He made a prototype but I don't believe that it will work because there is a man made thing that they just plopped in the ocean. This is how it works: there is a net that doesn't lett plastic get through and it allows fish to go through. But there is also another solution called Plishy. Plishy is made by me and is a fish disaquised robot that

eats plastic! There is a tracker so we can see where in the ocean or body of water is. Some of our other entrepreneur fellows are: Colleen Costello who made a Ultraviolet light that disinfects bacteria, Eben Bayer and Gavin Mcentire that makes biodegradable packaging, Huda who is the co-founder of PVpur which is a company that purifies water and of course you! You found out people can live underwater and you made the scuba!

But anyway in our class we are learning all about water value, conservation and quality. I am so grateful to have clean, purified water. Did you have clean water when you were little?

Did you know that there is such thing as plastic eating bacteria? That can help the world too! But it is one fascinating fact! I know you have been to the amazon because we read a biography on you but we are also learning about animals in the amazon! I am researching a Pygmy Marmoset. You might of seen one! They are tawny brown and are very tiny. Now, I have a few questions for you: How did you purify water when you were little? What was your biggest takeaway when you were researching? What's your least favorite part of your job and why? What's your favorite part of your job and why? And last but not least: what is your opinion

on water? I also have some wonderings on water. My wonderings are: how many molecules are in water in why? Who found out there were molecules in water and how? And again, last but not least how does water not evaporate when its underground even if gravel has holes? Those are just some of my wonderings but i have lots more. I am so shocked that people *can* live under water! I was shocked when I found out! In Kenya, people do not have a lot of water.

Two years ago in 2016-2017 our school did a fundraiser for a water pipe in Africa. Now I realise how fortunate I am and how lucky I am to have clean safe drinkable water and be able to go swimming in a pool anyday I want! Or to feel water on my feet on a beach. Do you ever wonder where your water comes from? Guess what, It comes from underground in aquifers! We did another unit called Contagion Crushers that relates to water and oceans because there is a plastic eating microbe that I talked about before. We did another unit called Mushroom maestros. That relates to water because we did measurements with water. I admire you and you are very brave to do all these things in your lifetime. I hope to meet you someday but I know I can't...

Well I liked chatting with you but I've got to go! Bye!

Warm Regards,  
Caolain Rosencranse



Our Ocean, filled with plastic, and no ones cares...