

## Sue Harrison

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**From:** Lissette Carey  
**Sent:** Tuesday, January 15, 2019 8:40 AM  
**To:** City Clerk  
**Subject:** FW: sunscreen ordinance support from sugarloaf school  
**Attachments:** sugarloaf school commissioner letters and drawings jan 2019.pdf  
  
**Importance:** High

**From:** Callie Harris [mailto:Callie.Harris@KeysSchools.com]  
**Sent:** Monday, January 14, 2019 8:59 PM  
**To:** Lissette Carey <lcarey@cityofkeywest-fl.gov>  
**Subject:** FW: sunscreen ordinance support from sugarloaf school  
**Importance:** High

Good evening Ms. Carey,

I would like the following video link and pdf attachment to be added to the agenda minute addendums (or noted for reference) at tomorrow's commission meeting if possible please and thank you. I apologize for the late submission. However, my students were working on their support videos until the end of the school day today.

The video is 10 minutes long... which I know maybe a little much. Even if the first 6:48 could be shown that would be amazing (the last video skit is somewhat long, but I didn't have the heart to tell my students to shorten it because the elementary students loved the puppet point of view).

I would also like to speak at the meeting in support of the ban if possible. Sorry, this is a very needy last minute email haha 😊.

Thank you for your time. Please let me know if you need anything else from me or have any questions/concerns. Thank you for all that you do.

**Callie Harris**  
**Marine Biology Teacher**  
**Sugarloaf School**  
[callie.harris@keysschools.com](mailto:callie.harris@keysschools.com)  
**(305)745-3282 ext. 50328**

**From:** Callie Harris  
**Sent:** Monday, January 14, 2019 3:55 PM  
**To:** 'jweekley@cityofkeywest-fl.gov' <[jweekley@cityofkeywest-fl.gov](mailto:jweekley@cityofkeywest-fl.gov)>; 'skaufman@cityofkeywest-fl.gov' <[skaufman@cityofkeywest-fl.gov](mailto:skaufman@cityofkeywest-fl.gov)>; 'bwardlow@cityofkeywest-fl.gov' <[bwardlow@cityofkeywest-fl.gov](mailto:bwardlow@cityofkeywest-fl.gov)>; 'gdavila@cityofkeywest-fl.gov' <[gdavila@cityofkeywest-fl.gov](mailto:gdavila@cityofkeywest-fl.gov)>; 'mlhoover@cityofkeywest-fl.gov' <[mlhoover@cityofkeywest-fl.gov](mailto:mlhoover@cityofkeywest-fl.gov)>; 'clopez@cityofkeywest-fl.gov' <[clopez@cityofkeywest-fl.gov](mailto:clopez@cityofkeywest-fl.gov)>  
**Subject:** sunscreen ordinance support from sugarloaf school  
**Importance:** High

Good afternoon Key West City Commissioners,

My name is Callie Harris. I am the marine biology teacher at Sugarloaf School. Our K-8 marine biology program works very closely with Reef Relief throughout the year to help educate our students about the importance of preserving and protecting our coral reefs. My goal is to foster a learning environment where these type of deeper lifelong connections can be made between our children and our fragile Florida Keys ecosystem.

I apologize that I did not send the student letters and videos until this afternoon. My middle school students have been working extremely hard this past week to create, direct, and edit their videos for commission consideration. The letters, videos, and drawings were not assigned as a grade or required to complete. All student work was completed at the will of the students themselves.

My second grade through fifth graders choose to either write a letter or create a drawing to express their support for protecting and preserving our coral reef ecosystem. My middle school students choose to visually represent their support. We compiled all the videos together with a viewing length of 10:07.

Please see attached letters and check out our YouTube link below. I look forward to seeing and speaking to you all tomorrow at the meeting. Have a good day.

<https://youtu.be/9vBK0X2CH6s>

Sincerely,  
Callie Harris

**Callie Harris**  
**Marine Biology Teacher**  
**Sugarloaf School**  
[callie.harris@keysschools.com](mailto:callie.harris@keysschools.com)  
**(305)745-3282 ext. 50328**

Dear City Commissioners,  
 My name is Juliette Marini and I am writing this because I agree with Reef Relief because I like our coral reefs and would not like to see them disappear. And when I grow up and have kids I want them to be able to enjoy the reefs just like me. And I would like to protect sea life and think that every one should play a part in saving our coral reefs.

- Juliette Marini

Use reef safe sunscreen



1/8/19

Dear City Commission  
 I think non reef safe sunscreen  
 should be banned because non reef  
 safe sunscreen have deadly  
 chemicals like OXY Benzene which  
 can bleach corals or can  
 cause death. you will see  
 see no reefs in Florida in  
 the year 2050. Because if  
 the city commission allows OXY Ben  
 zone in sunscreen all  
 reefs in the Florida keys  
 will die. And they knew what  
 would be a tourist town  
 any more. that means no more!  
 so the choice is yours.  
 make the good one. save  
 our reefs.

Siserley Adrian

2/8/19

Dear City Commissioners

My name is Bella I am new to the keys I didn't know that there was bad ingredients like oxyzone and altinate and here are some ways we can let tourists know not to use these bad ingredients we could put signs on the beach and say don't use oxyzone and altinate because it can kill coral or we can put billboards saying don't use oxyzone and altinate it could kill coral and those are some ways we can let tourist know and Thank you for listen for what I have to say

Sincerely  
Bella

Dear City Commissioner,

Hi! my name is Aaliyah and I'm seven. I'm here to tell you about how sunscreens that is bad for corals. So wear sunscreen that doesn't have oxybenzone. Second you can help tourists from using sunscreens that has these chemicals. Thank you for banning sunscreens that are not safe.



Dear City Commissioner:

My name is Danielle and I go to Sugarloaf School. In marine biology we are learning about how Oxybenzone and Octinate in SunScreen's are killing our coral reefs. Every time someone puts SunScreen with those two ingredients on and walks into the water, the SunScreen washes away into the water and the Oxybenzone and Octinate bleaches the coral. When the coral is bleached it gets stressed and has a high risk of dying. Another reason is, the tourists come to see the beautiful coral, but there is only a little bit of coral left. So, the tourists are probably going to stop coming. The tourist is where we get most of our money from and if there's

no tourist, there's no money.  
We need to stop using  
the Sun Screen with Oxybenzone  
and octinate in it.



Dear City Commissioners,

Hi! My name is Taylor Thomason  
I am 7 years old. I would like to share my  
opinion about the sunscreen issue. I think  
~~you should make a law to not use sunscreen~~  
with oxybenzone, octinoxate, homosalate,  
octocrylene and avobenzon because these  
ingredients are poison to the coral reef and  
if the reef dies the fish die. please  
consider my thought.



1/11/19

Dear City Commissioners

Sophie Veach

My name is Sophie Veach and I think abandoning sunscreen is great because my dad is a fishing captain and when I grow up I want to be a vet but I also want to help fish and study them. I think that that is hard to do when there is no fish in the water. Some type of fish I don't know the name, but when it comes in touch of oxybenzone and octinate it can change from a male to a female. I wonder how that will effect us when we eat it if we do? So I think that this banning is great.

Thanks for your time

Sophie  
Veach



1/8/12

Dear city Comm'ishiners / Anthony Mustado  
 Some sunscreens are really bad for the environment. It can also kill fish and other animals that live in the ocean. We need to protect our reefs. We need to use non-harmful sunscreen. The spray sunscreen is even worse because if it is kind of windy the sunscreen will be blown away harm even more. Tourism is important but when they come to our oceans with bad sunscreen they hurt our oceans reefs so that is why I think we should ban bad sunscreen.

Sincerely,  
 Anthony Mustado

Fun fact: 1 drop of sunscreen can kill thousands of coral.



Dear City Commissioners'

Kendall Juliana  
1-11-19

My name is Kendall Juliana and I think sunscreens containing oxybenzone and octinate should be banned. I think this because sunscreen can rub off into "the water", and sunscreen containing these chemicals can go into the water and harm the coral. It is important that we keep our reefs and corals safe because without our reefs if a hurricane came, again, it could cause much more damage. After having this sunscreen on for 30 min, when we urinate and flush it leads straight to the ocean. It can also be found that these chemicals can also change a male fish into a female fish. If we eat these fish containing the chemicals we may contaminate ourselves.

Thank you for your time,  
Kendall



Dear City Commissioners,  
My name is Ayla. I am 10 years old.  
I think I can make a change in our city. I would like to help save corals and some sunscreens can harm corals. Sunscreens with oxybenzone and octinoxate are harmful to coral. In the past 20 years, over half of Florida's Barrier Reef, which extends from Palm Beach to the Dry Tortugas, has disappeared due to human driven factors. These chemicals damage coral DNA, disrupt juvenile development, and make them more susceptible to coral disease and bleaching. I would like to save the coral for the future generations. Ocean friendly sunscreen alternatives already exist in the form of mineral sunscreen or zinc-based sunscreen, which can be found in stores like Publix and Walgreens.

Dylan  
Meyers

1/8/19

Dear City Commissioners

Do you think we should use sunscreen that is bad for coral reefs? I think we shouldn't because it can hurt our economy and state.

One reason why I think we shouldn't use sunscreen with oxybenzone in it is because tourists wouldn't come to our state. Tourists wouldn't come to our state because if we keep using sunscreen with oxybenzone in it our reef will have died by 2050. So if tourists don't come we will not have much money to build and upgrade our state. Tax's will go up and all the locals will also leave.

My last reason why we should not use sunscreen with oxybenzone in it is because spray sunscreen can get anywhere not just the ocean and according to my research oxybenzone can effect the fish's way of reproduction and if it does that then the rate at which they reproduce will lower so then fisherman will lose money.



1 to city commissioners

I think that no one  
should ever use Oxedensin  
sub-schen because it  
is harming the fetus and  
even children. It will not  
be popular and we won't  
get money from it. And  
we will have to move.

Sincerely Sadastain Dadyk



Dear city council. I want you to  
to band sunscreen that contains oxybenzone  
and octinate. Because it can be very  
harmful to the ocean. We only have  
a little prseng of coal party because  
sunscreen that has oxybenzone and  
octinate. Some other kind of  
sunscreen is spray it's the worst!  
Because it can spread all over the  
sand and the water washes up  
on the sand and the spray ends  
up in the ocean!

When you get in the  
water with the bad sunscreen it  
washes off your body and ends up in  
the water! That's why I think  
we should band sunscreen that is  
bad for the ocean.

from: MAM



Dear City Commissioners,

Hi! My name is Chanel I am  
7 Years old. Some sunscreens  
are bad for the coral reef.  
I believe that we should ban  
those sunscreens that harm the  
coral reef. The chemicals  
Oxybenzone and Octinoxate are  
culprits. We need to create a product  
that won't harm our coral reef.

Thank Chanel Godoy



Dear City Commissioners,

I learned that sunscreens with Oxybenzone and Octinate are harmful to our coral reefs and to our ships. Even just one drop of Oxybenzone or Octinate can kill a whole coral reef and we don't want to kill our coral reef. So reef relife is trying to help us not kill our coral reefs. One way to help our coral reefs is to buy better sunscreens. A second way to help our coral reefs is to not litter into the ocean because then it can not only hurt our coral reefs but it can hurt many other animals such as Pelicans, Turtles, sharks, crabs, and much more. This is why we have to ban sunscreen that contains Oxybenzone or Octinate.

By: Makenzie Raymond ♡



Dear City Commissioners,

Hi! My name is Charlie, I'm  
a second grader, can we all use good  
sunscreen? Like the sunscreens that don't have  
~~nanoparticles~~  
Clothing instead of sunscreen? Don't use  
sunscreen containing nanoparticles! Thank  
you for your consideration for using harmful  
sunscreen.

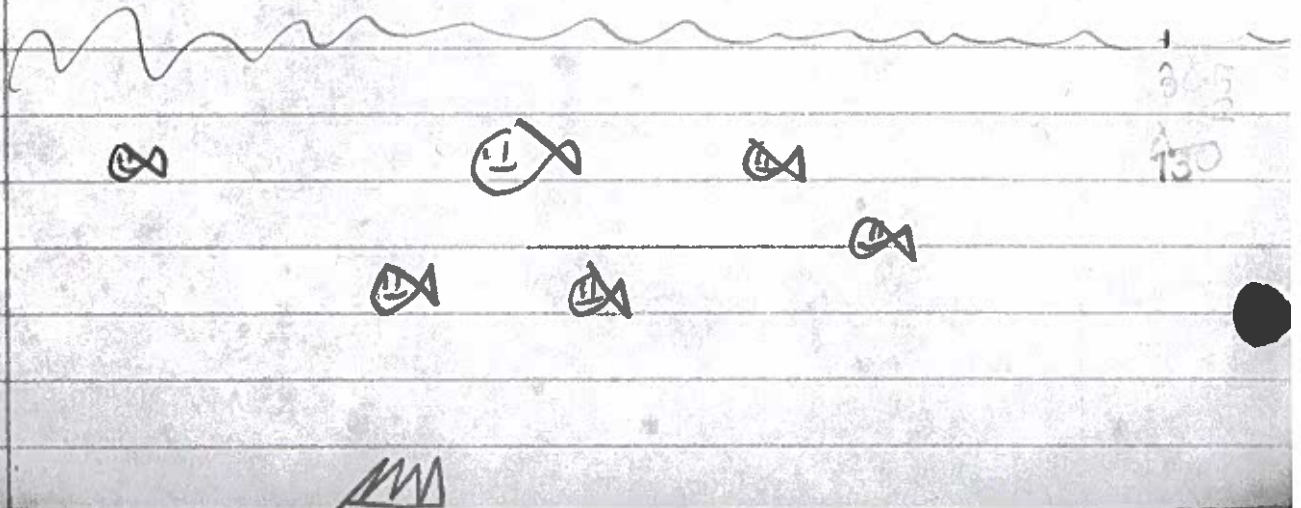


emmauel

Dear City Commisstane emt name  
is emmanuel i think sunscreens  
is bad for the coral reef and  
the fish and for our skins. And  
there is some good sunscreen around  
the world. but people don't know  
with one to use or not to  
use. fish would be endangered because  
of us or maybe be extinct that  
why I think bad sunscreen should  
be banned

fun fact

SUNSCREEN COULD KILL FISH AND CORAL.





Dear City Commissioners  
my name is Gracen and i think  
that passing this sun screen  
law is going to help the eco  
system thrive a lot and in  
the new sun screen we  
are only using mineral  
based cream.

Sincerely  
gracen



1/18/18

Deat City Commissioners

Hello, my name is Connor.  
I think that we should  
get rid of sun screens!  
With Oxygen zone and Octinate  
these screens can be removed

To coral reefs. Finley, Over half  
of Florida's barrier reef  
has been damaged or destroyed  
due to human factors  
like Oxygen zone. Also  
Oxygen zone damages coral  
and makes it vulnerable  
to diseases and bleaching.  
This is the harm coral and  
key west. If we get rid  
of this sun screen we can  
fix this problem and  
save the reef. Please pass  
the sun screen act for key  
west.

Sincerely

Connor Gallagher



1/8/19

Dear City Commissioners,  
my name is CJ Stolka im 10 years  
old, and I want to protect our reef,  
and I know the perfect way. In  
our sunscreen there's a thing called  
oxybenzone and octinate, and thats  
hurting/bleaching our reefs, and thats  
help marine life. So we have to make  
sunscreen without thaus: things so our  
enviorment will be healthy and if its  
healthy we will have yummy seafood.

From  
CJ  
To City Commissioners

Eu

1/8/19

Dear City Commissioners

I think non reef safe  
sunscreen should be ban because  
they are coral reefs and fish  
they make bleaching to coral  
and kill the sunscreen because  
it get in our lungs and trees  
so you can all smell it far  
away so you should all look  
on the back of your sunscreen  
because if it says it has  
Oxibison then put it back  
and get the reef safe sunscreen  
and if there's no people there  
is no people and if there no people  
there's no money so would you  
like to see all corals in the  
Florida keys die but we can  
stop that ban non reef  
sunscreen and save our reefs

Sen Lett Eu



TO: City Commissioner

Paeton Wilson

We can stop this by getting rid of the bad sunscreen and many scientist can work on making new sunscreens but make it without Oxybenzone and Octinoxate in them. Another way

1-11-19

Malone-EIA

we can stop sunscreen from killing coral reefs is, we can make sure people wait atleast 5 minutes before getting in the water. That way the sunscreen can dry a little bit and soak into your skin before you get into the ocean. Because after people put sunscreen on they go in the water and they are still wet with sunscreen on there bodys so when they get in the water the sunscreen washes away in the water and starts killing the coral

Sincerely

Paeton



1/18/14

Dear City Commissioners,

how are you going to stop  
the pollution? I will make a  
new sunscreen that does not  
pollut the water, the coral and

the fish and I will not put  
oxybenzone and octinone and  
a gin I Will Not put it  
In!!! Write Me Back and  
thank you for Listen. BY: SEBASTIAN  
Buttler 5<sup>th</sup>



Dear city com. shonr  
you need to stop selling sunscrim so  
the reef will stay alive longer. Their is very  
posines sunscrim on are coral reef  
and fish are slowley dieing because of  
sunscrim masty all the seacreamers die.

Every day about a few hundred animal  
in the oen die because of sunscrim.  
You need to make oen reef sunscrim  
safe. I rather you sell more wet  
soutes for echeper so ve got  
sunscrim off the street.

Sencer Tyler S. Pearson



Before



Before



now

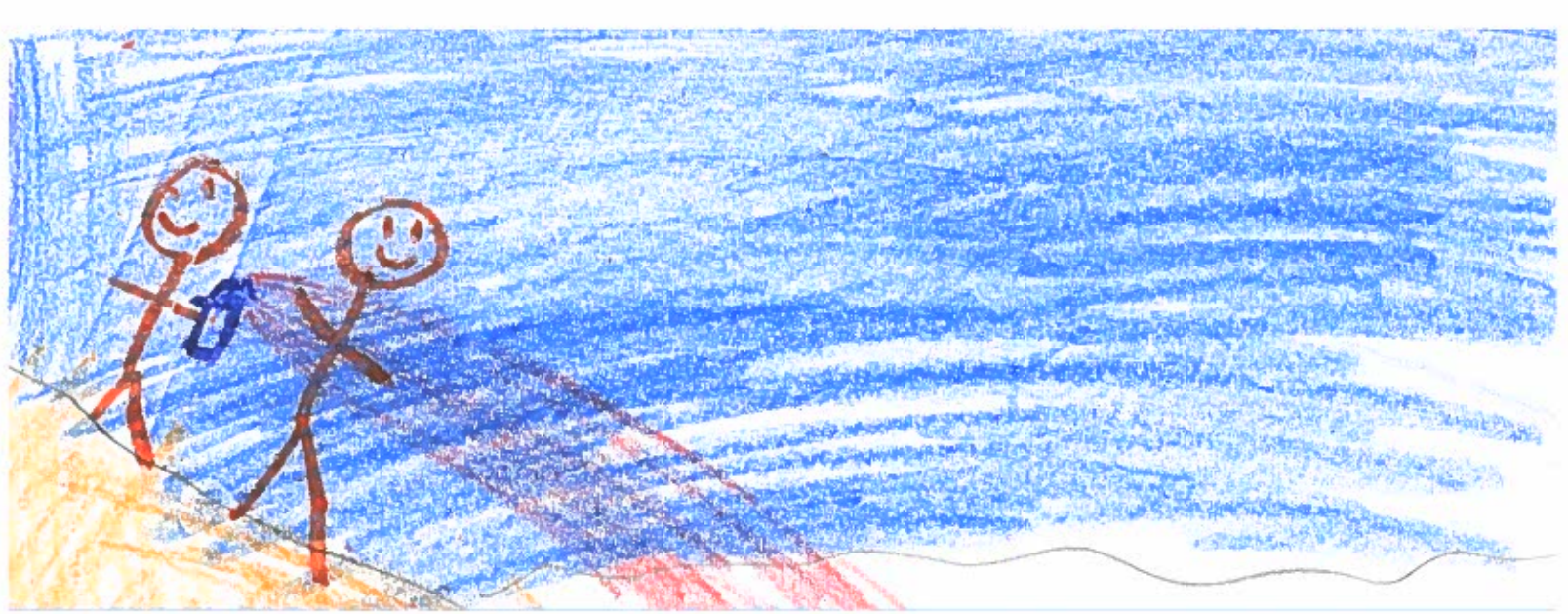


After



RV AG





Oxybenzone and octate = poison coral

~~Titanium~~ and some others  
zinc oxide & titanium dioxide = 01



# SAVE THE OCEAN

NO



SprAY

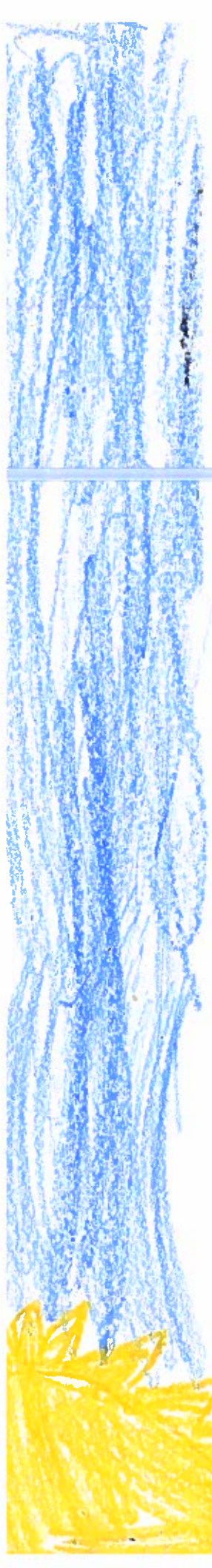


NO BLEACHED COAL X

Contains no oxybenzone or octinate  
nonharmful to the ocean

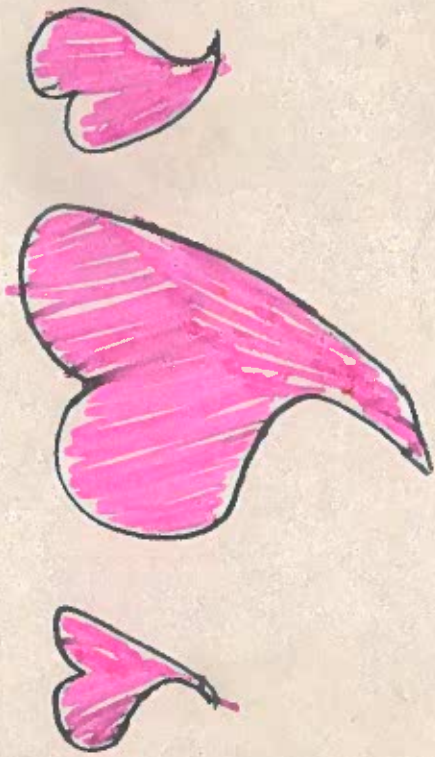
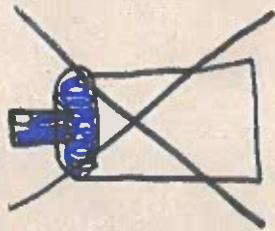




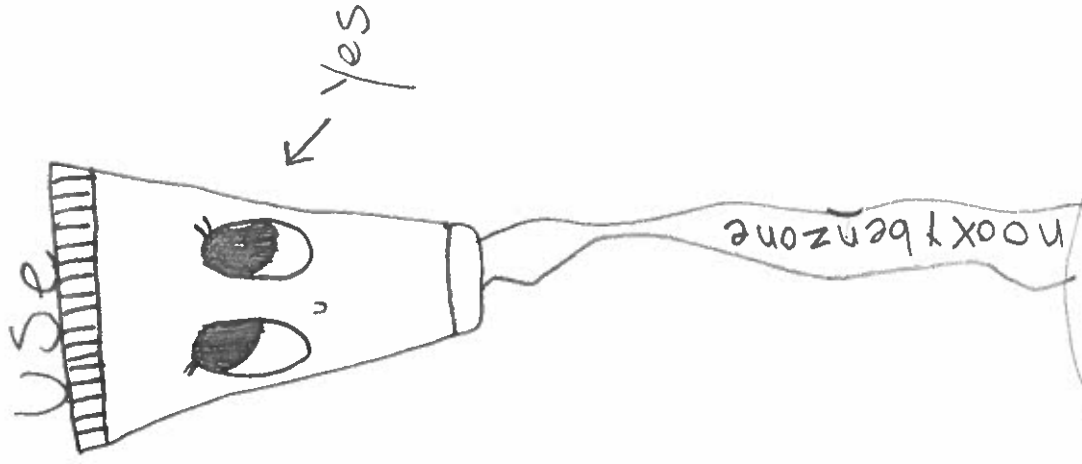
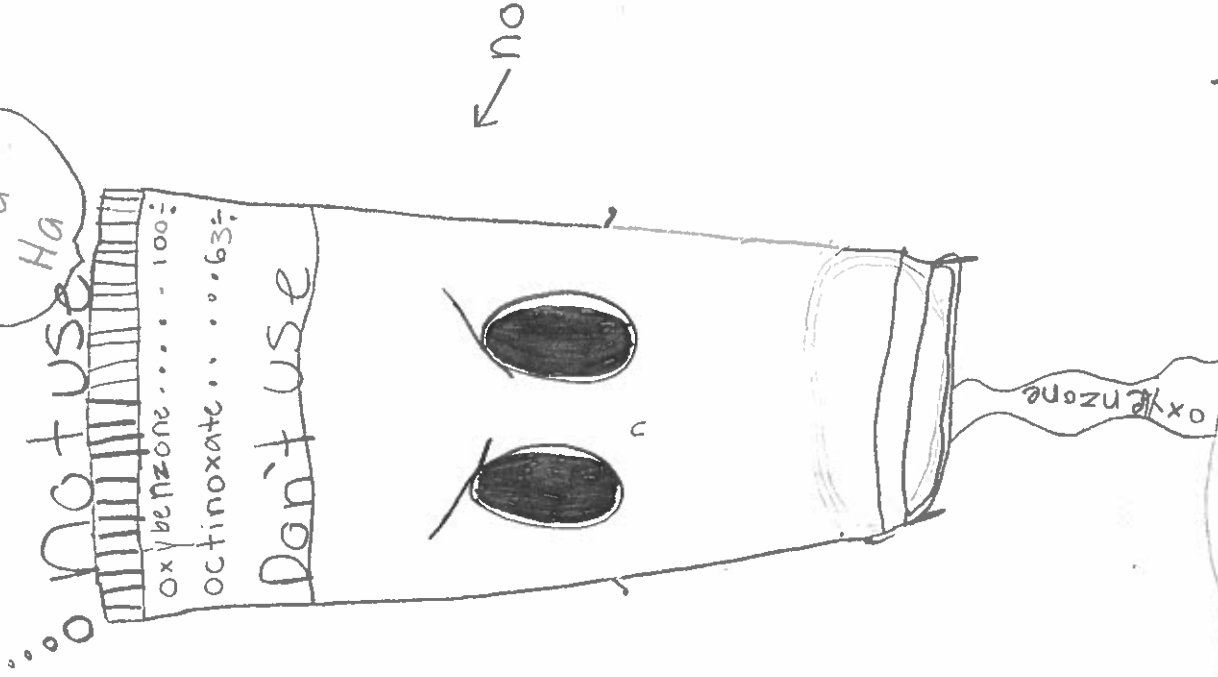
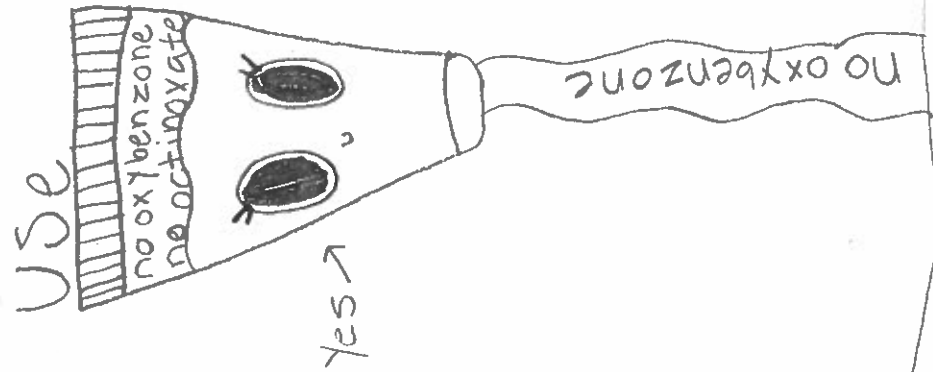




Taylor Thomason



# Save the Reef!



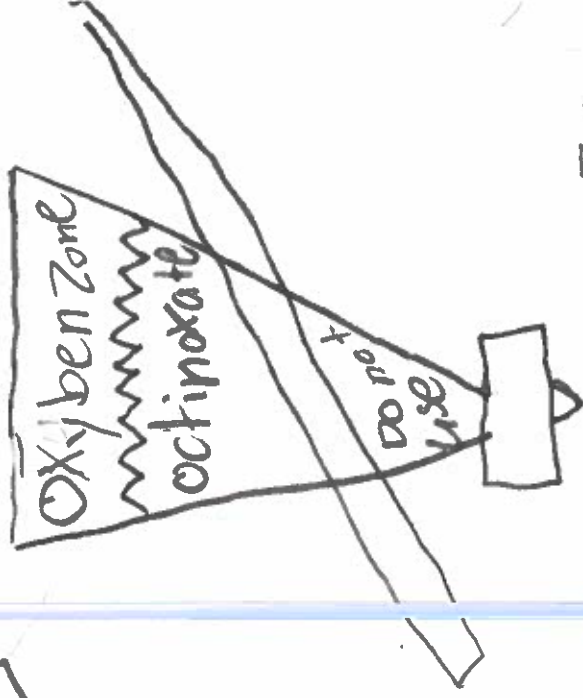
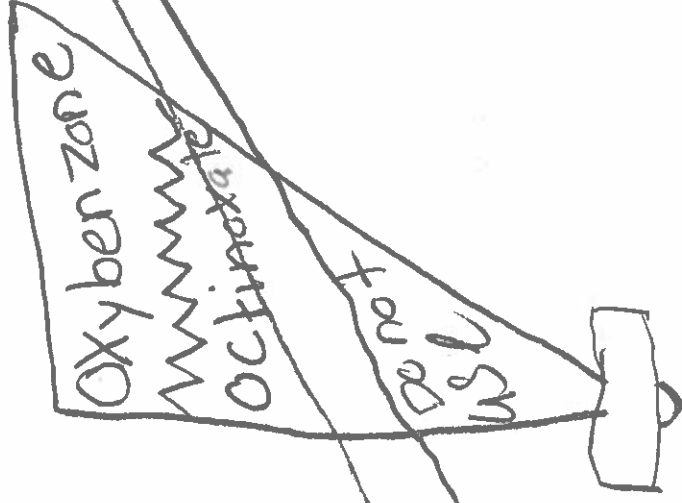
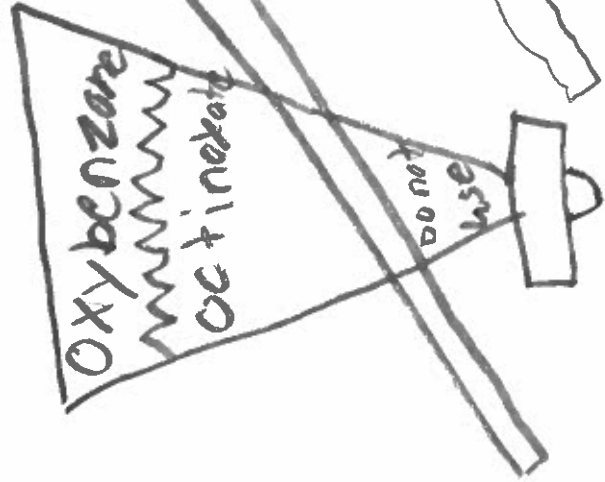


SAVE

THE

FE

FE

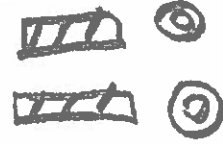


SAVE

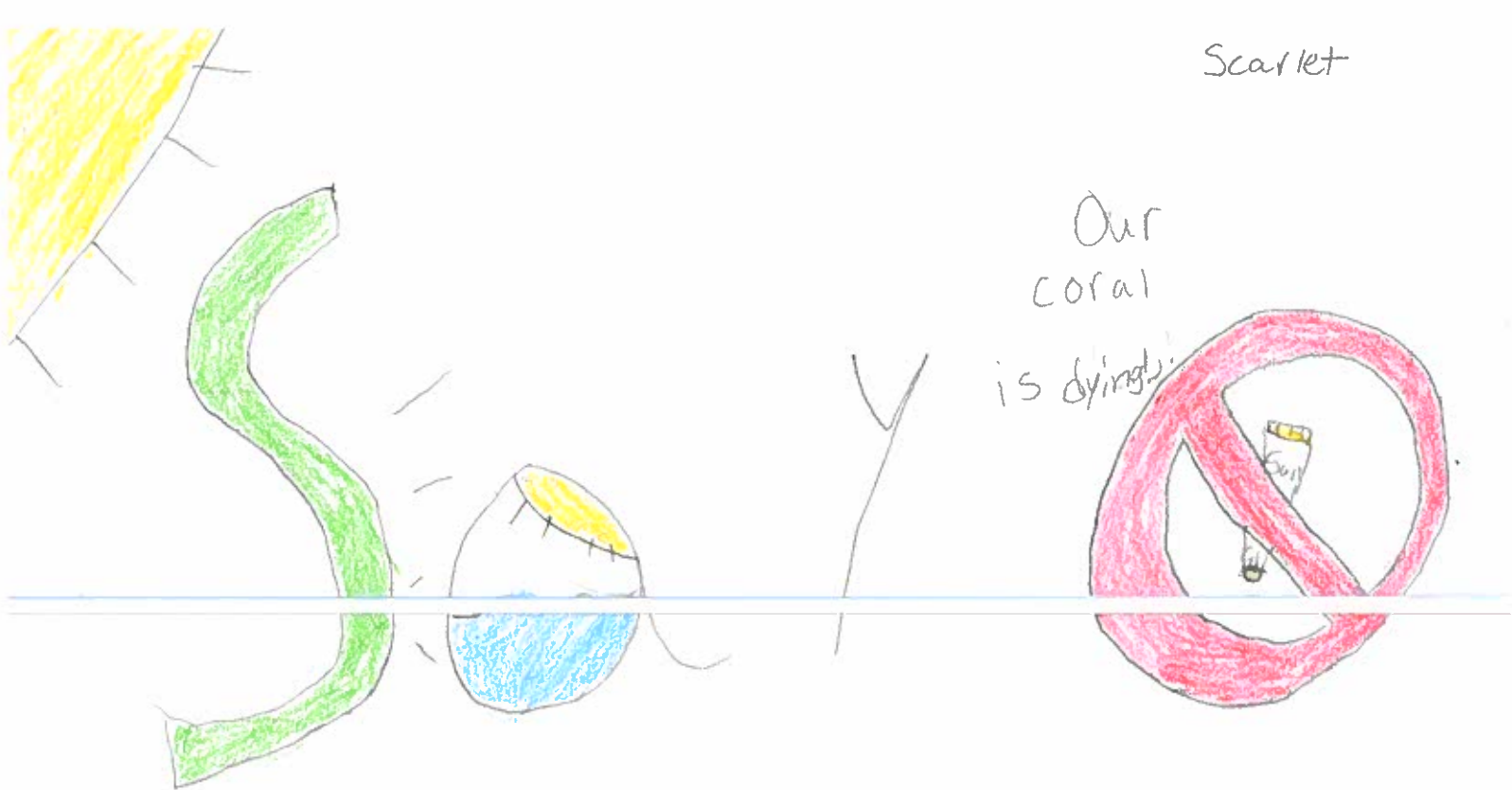
THE

FE

ANIMALS



Scarlet

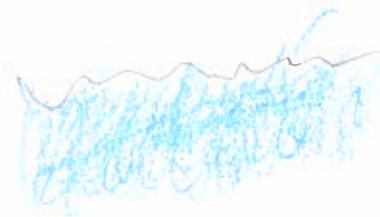


Our coral is dying!

We need coral!

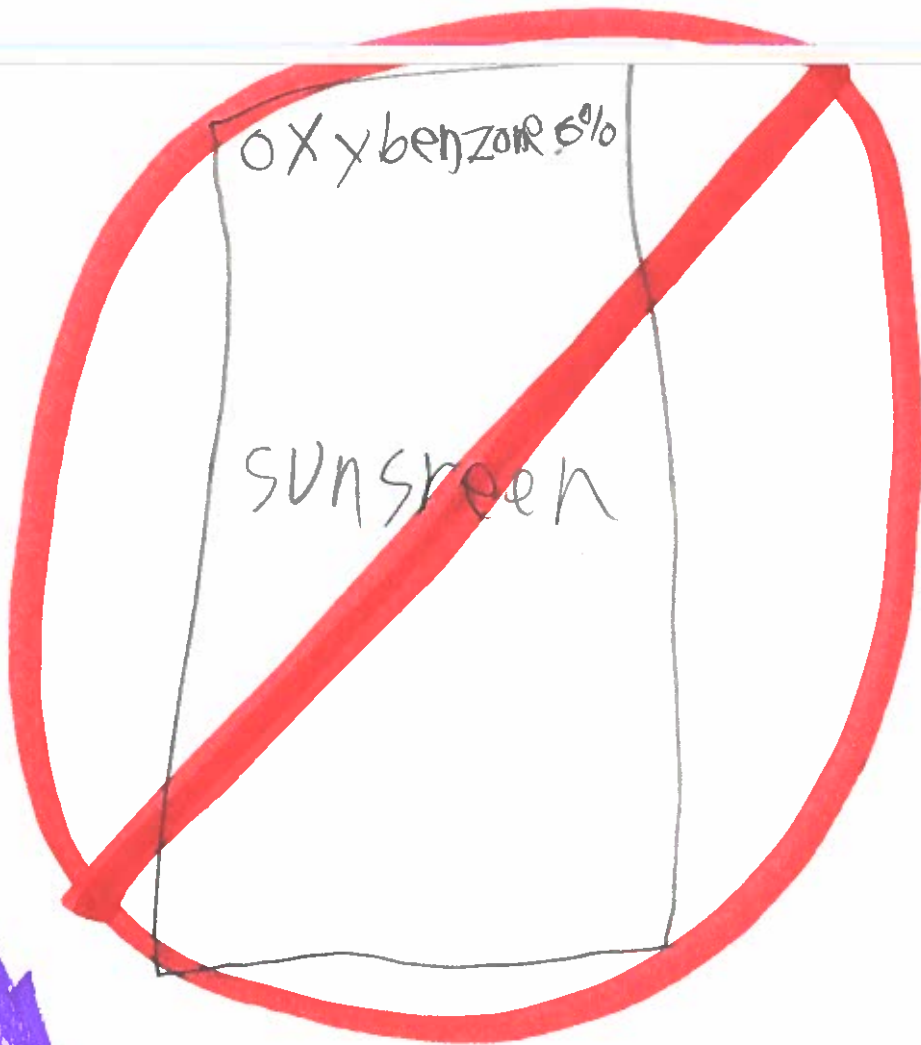
NO

to



Oxy ben zone, octinoxate,  
homosalate, Octocrylene avoben-  
zone, Nano-particles

Dear city commissioners, The coral reefs are at risk because this product can damage coral reefs





By: HVA, A

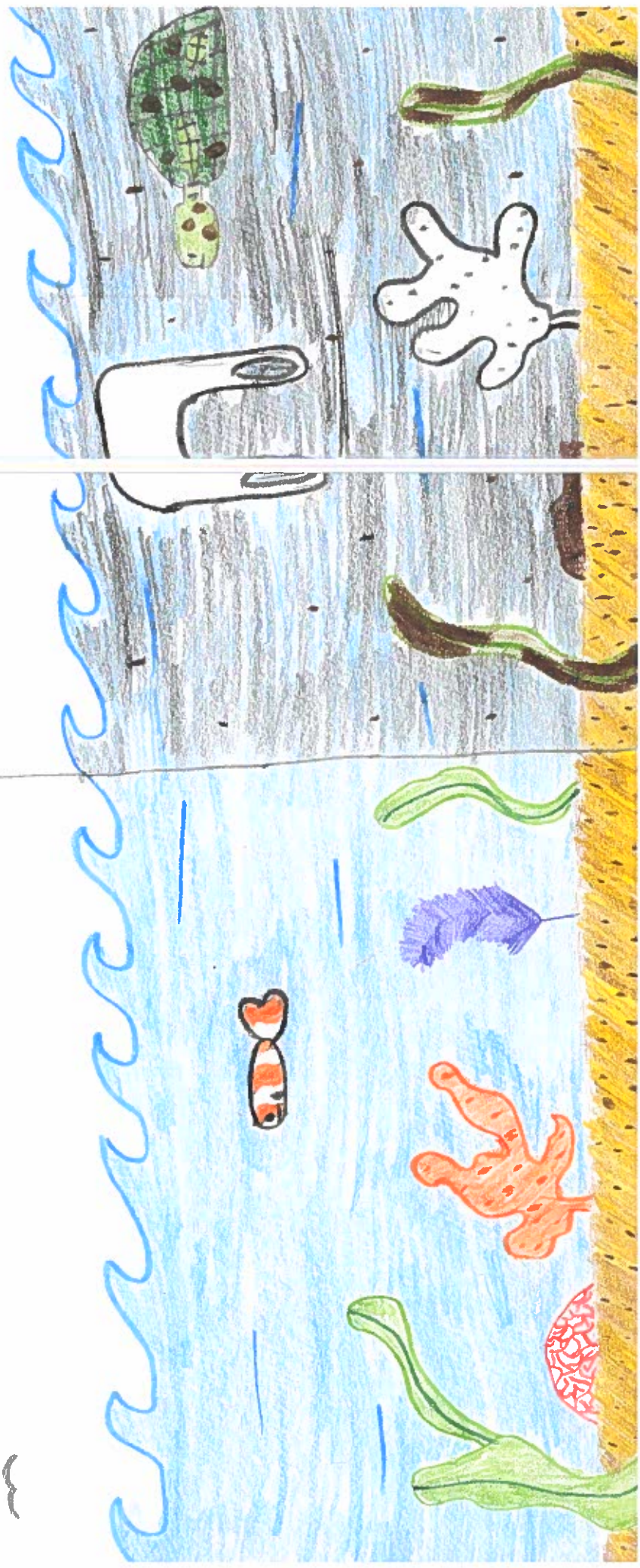
Good

We use to look like

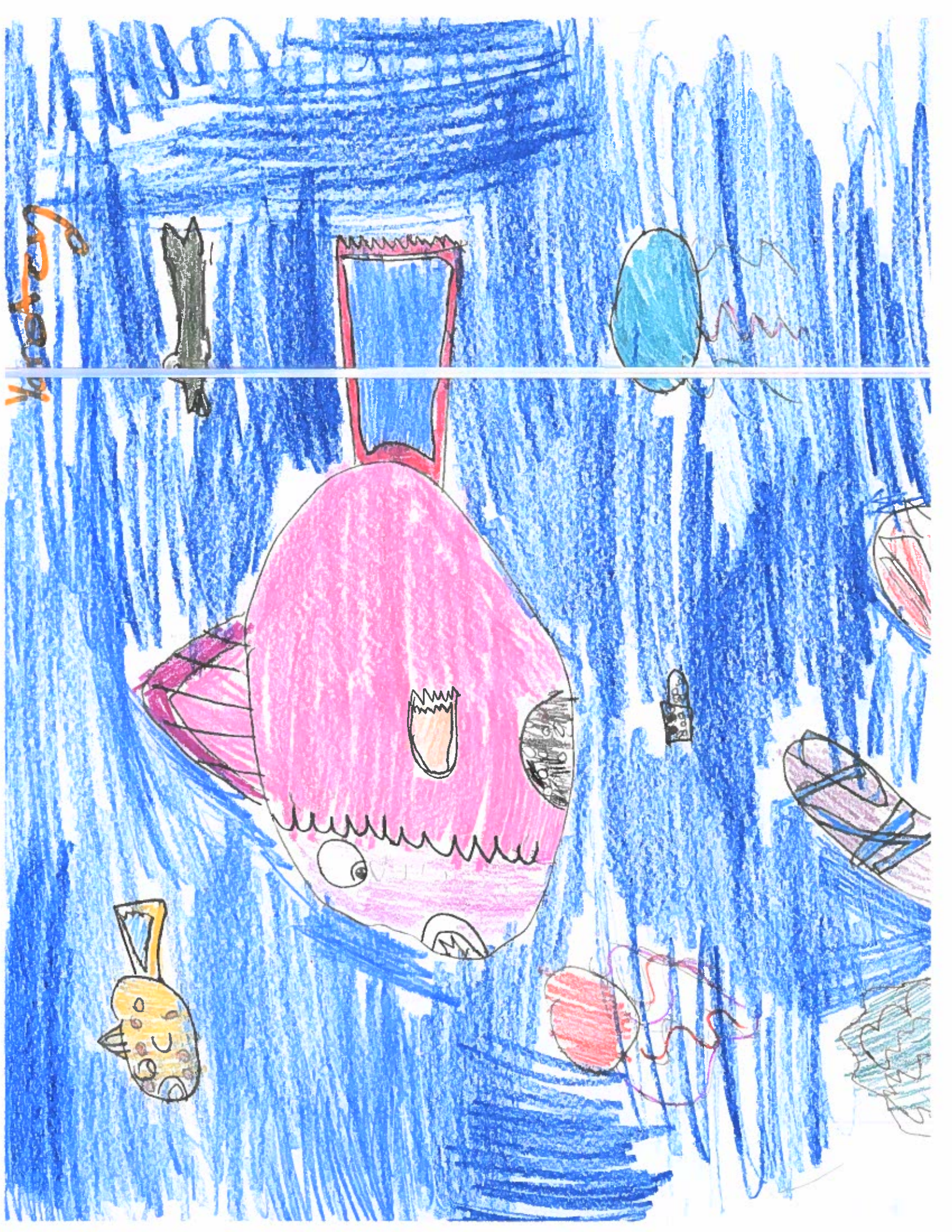


Bad

We look like now

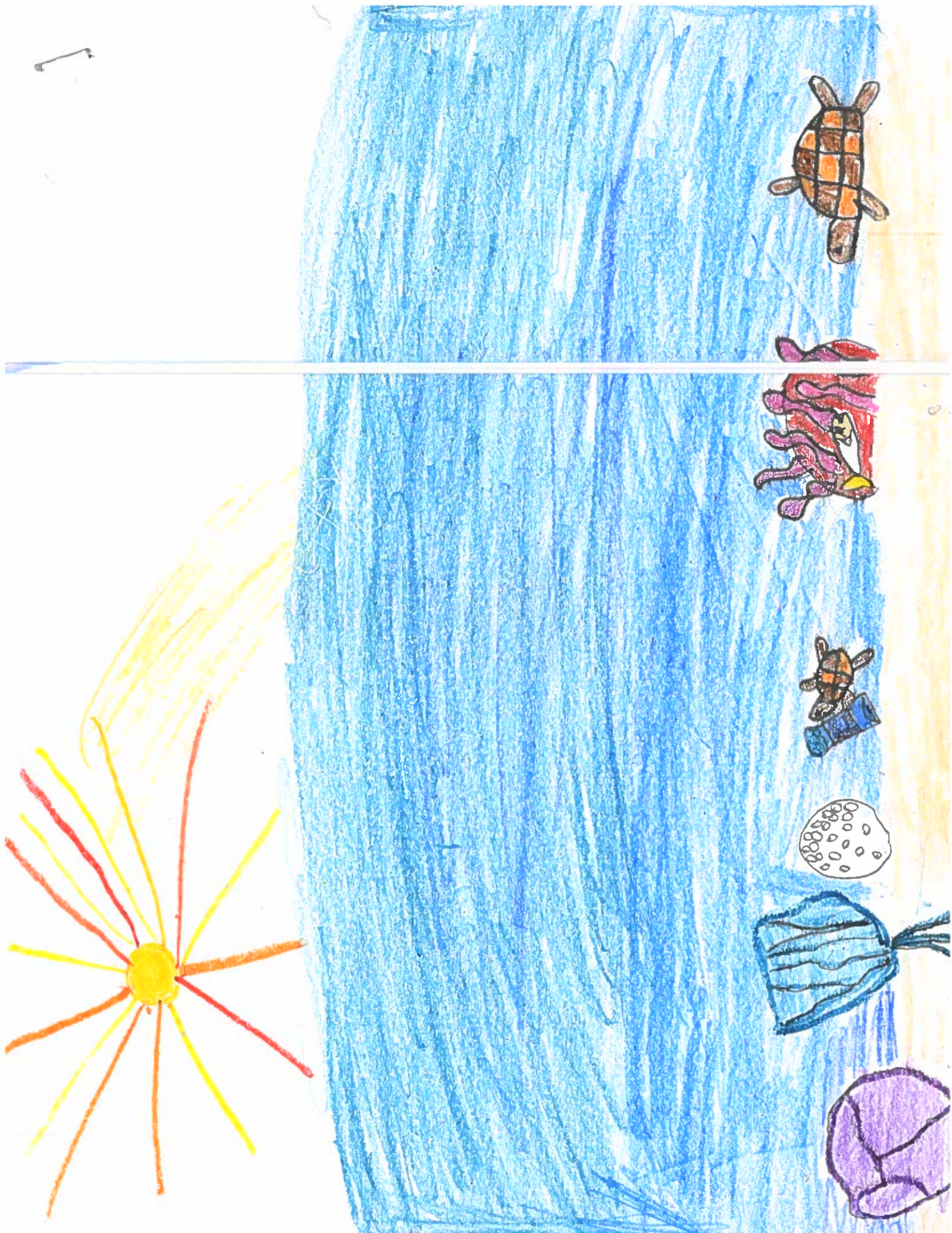






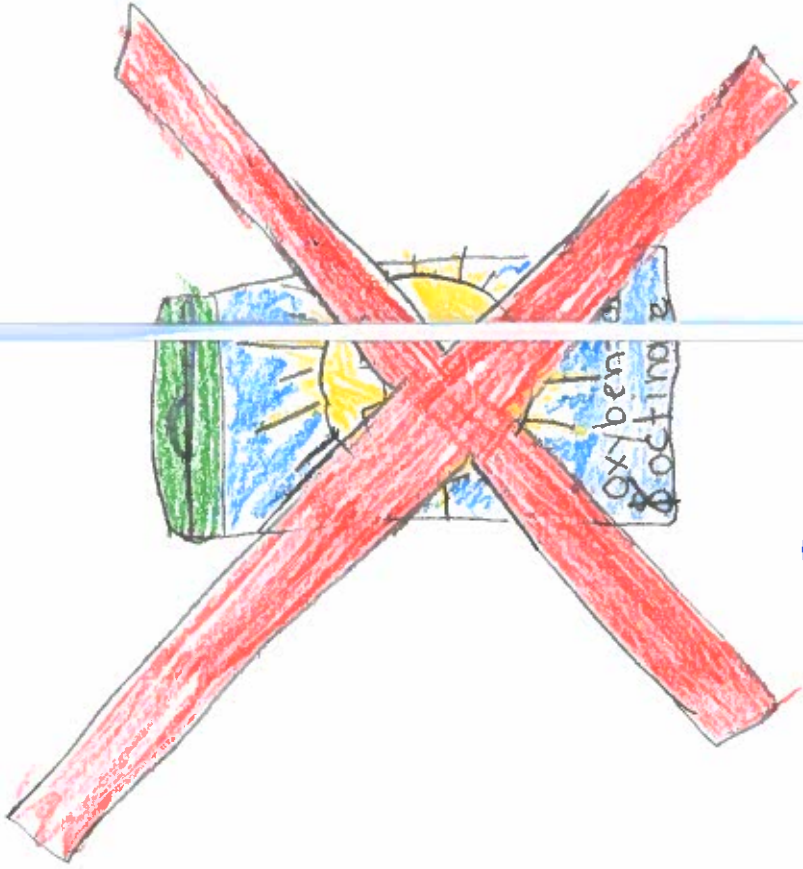
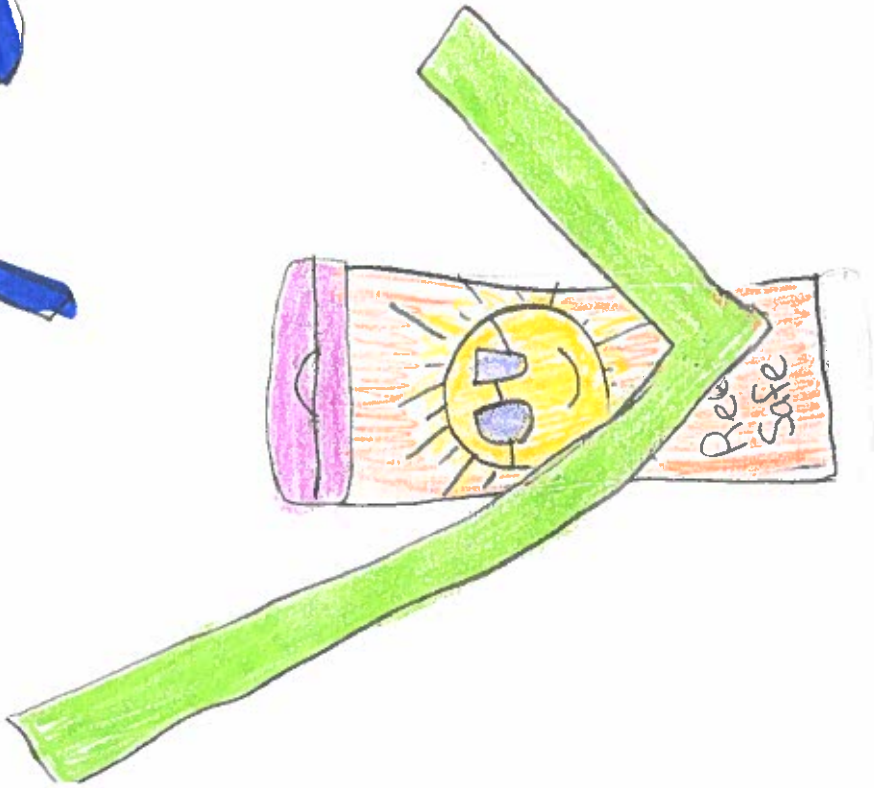


1





stay safe



Reef safe