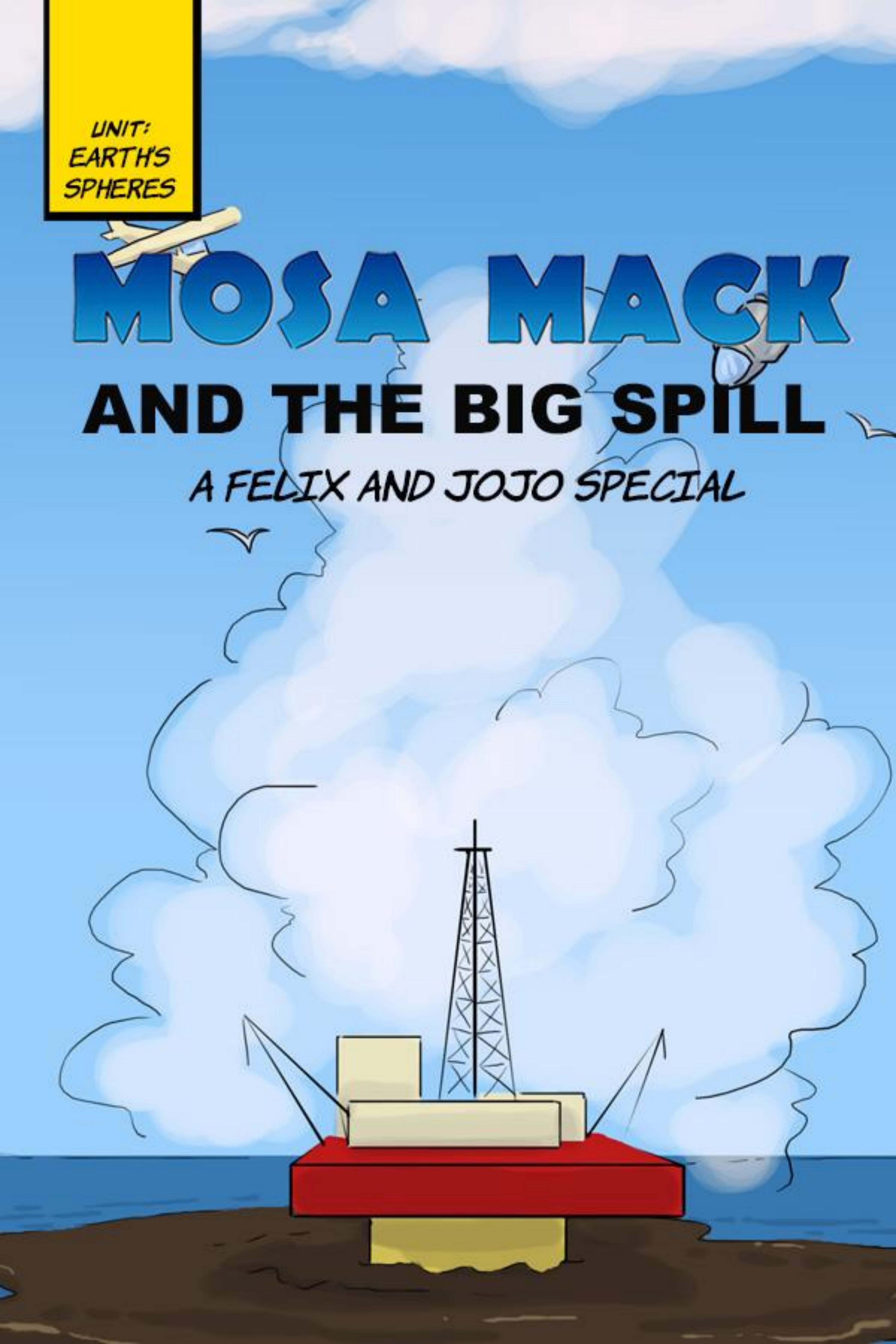


UNIT:  
EARTH'S  
SPHERES

# MOSA MACK

## AND THE BIG SPILL

*A FELIX AND JOJO SPECIAL*

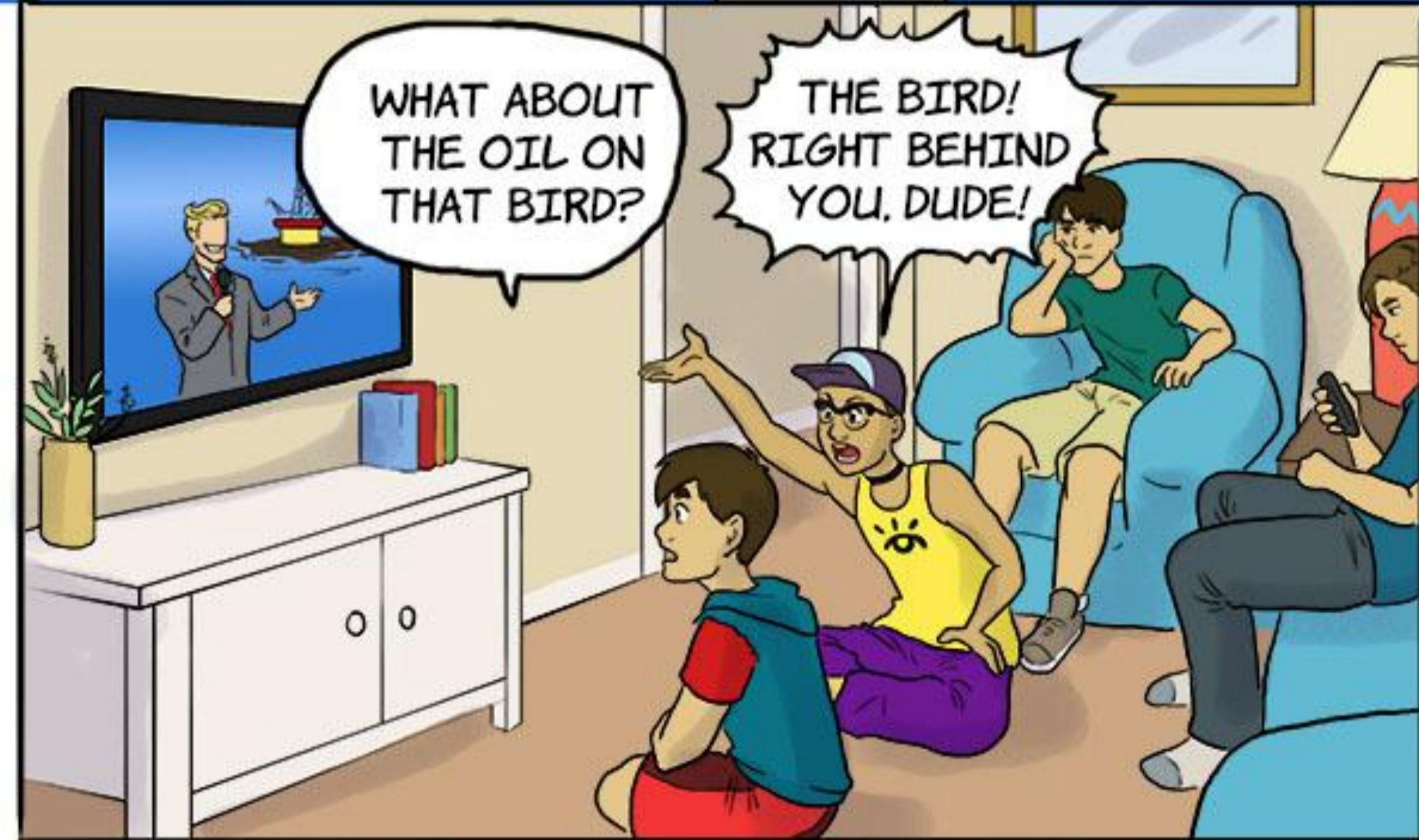




HERE AT PETRO-PROUD, WE ARE NOT PROUD THAT THERE IS AN OIL SPILL AT ONE OF OUR OFFSHORE DRILLING RIGS.

BUT WE ARE PROUD THAT THE SPILL HAS BEEN CONTAINED AND ONLY AFFECTED THE WATER.

TEMPORARILY!



WHAT ABOUT THE OIL ON THAT BIRD?

THE BIRD! RIGHT BEHIND YOU, DUDE!



DON'T YOU WORRY. NOT AS BAD AS YOU THINK!  
FILL UP YOUR TANK AND GET A FREE SMALL DRINK!



THIS IS FALSE ADVERTISING, MR. K!

TALK TO CORPORATE.

Petro-Proud; not as bad as you think!

YOU WANT YOUR SMALL DRINK?



LATER THAT DAY ...

I'LL JUST WAIT HERE, JOJO. I HAVE A VERY NICE VIEW OF THE DEATH STAR FROM OUTSIDE.

THINK OF IT AS PRACTICE FOR HIGH SCHOOL.



THAT POOR BIRD BEHIND YOU WAS COVERED IN OIL! WE SAW IT!

THAT WAS A CROW. BLACK IS ITS NATURAL COLOR!

PRETTY SURE IT WAS A SEAGULL.





OKAY. OUCH. JOJO! WATER ISN'T A PILLOW.

OH, HI THERE!

YOU MUST BE MOSA'S JV SQUAD!

SPLASH!



WE THINK OF OURSELVES AS TEAMMATES.

LOOK CLOSER, AT THE-

IT DOES KIND OF LOOK LIKE THE OIL'S JUST STAYING RIGHT THERE, JOJO.



FROM THE MOSA MACK FILES

CURRENT: THE WATER MOVES.

YOU DIDN'T THINK THE WATER IN THE OCEAN STAYS STILL, DID YOU? LIKE A BIG BATHTUB?



FROM THE MOSA MACK FILES

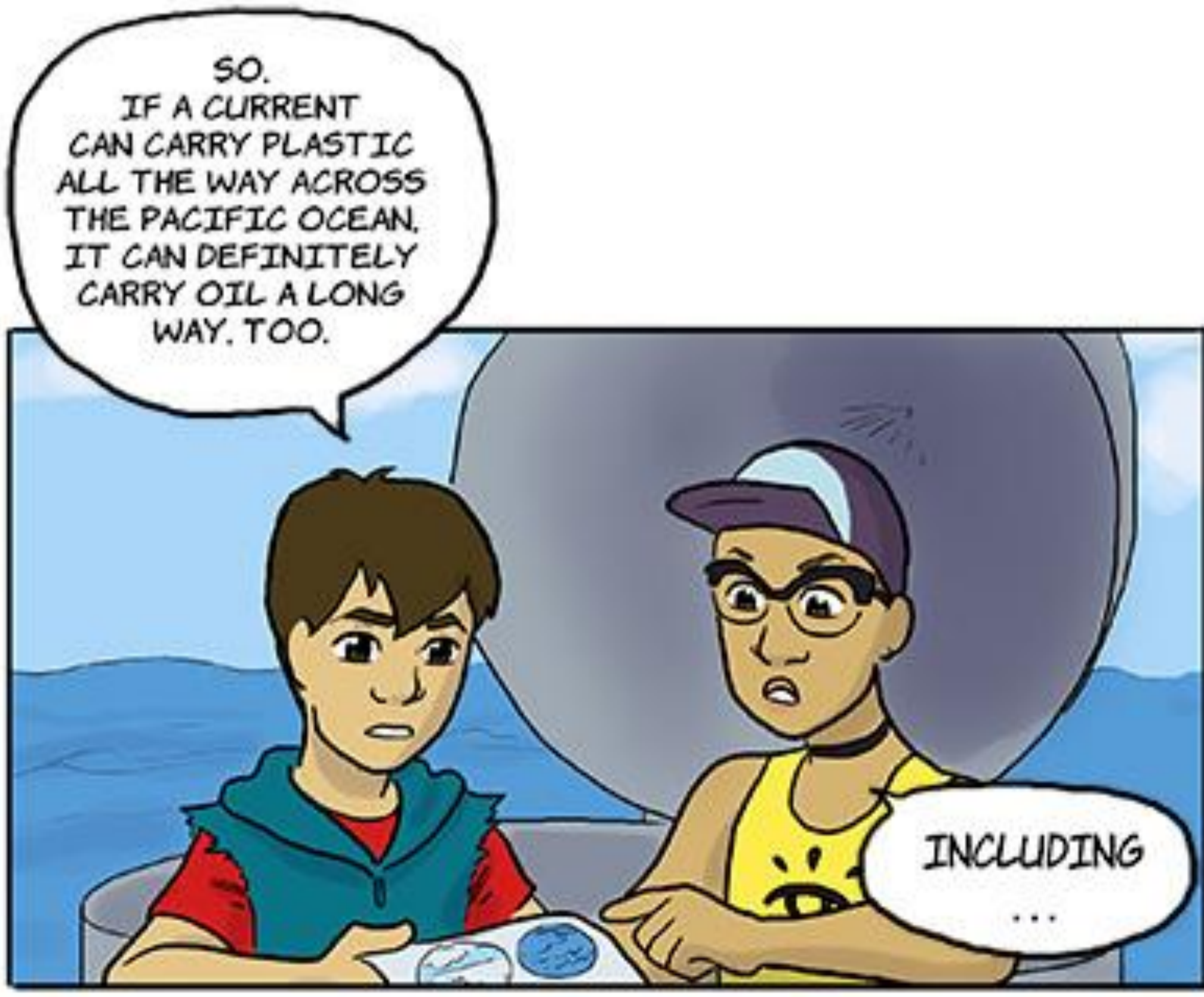
IF YOU LOOK AT THE OCEAN'S SURFACE, YOU CAN ACTUALLY SEE IT!



AND IF YOU GO WAYYYYY DOWN DEEP IN THE OCEAN, IT GETS EVEN MORE EXCITING--

NOT ONLY DOES THE WATER TURN AND TWIST... IT ALSO RISES UP AND DROPS, LIKE A ROLLER-COASTER!

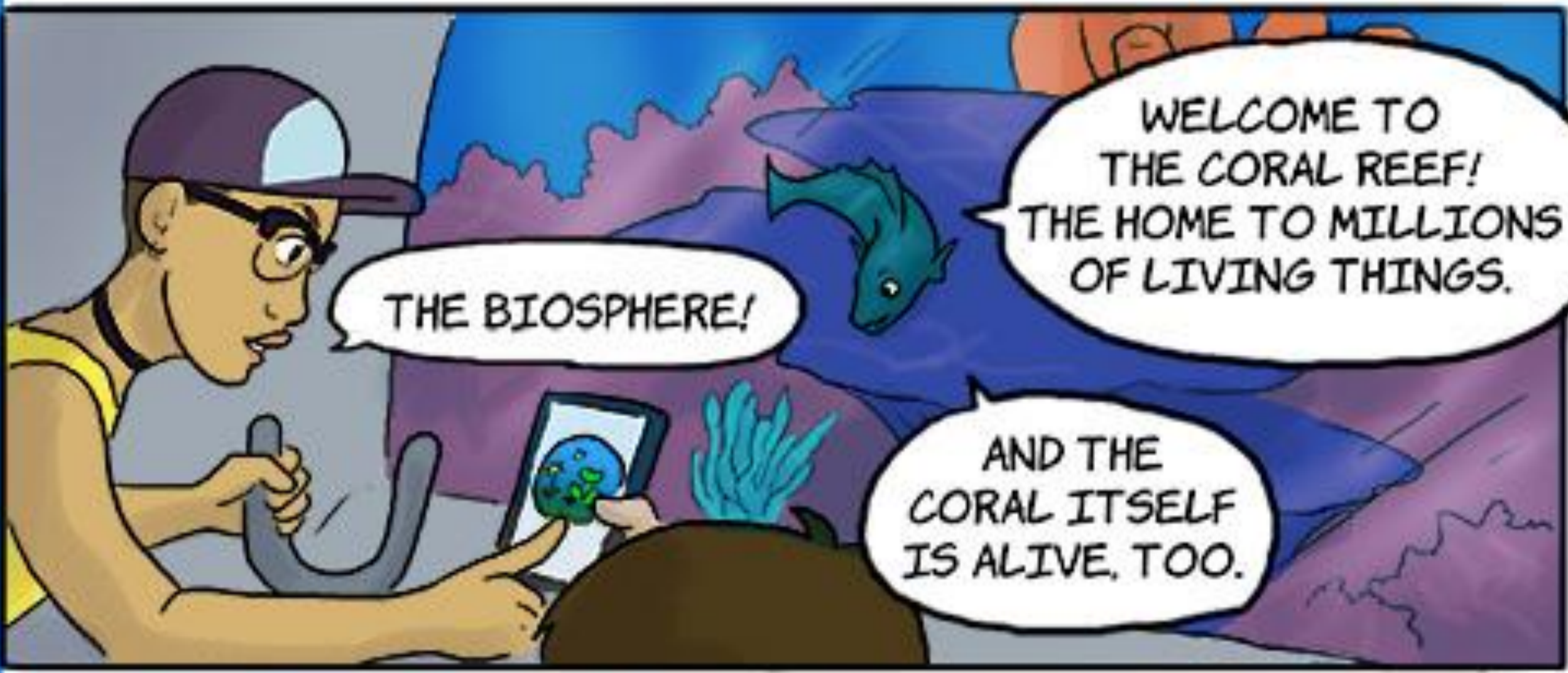
ROLLERCOASTER?! SOMEBODY SAID MY WORD!!



SO. IF A CURRENT CAN CARRY PLASTIC ALL THE WAY ACROSS THE PACIFIC OCEAN, IT CAN DEFINITELY CARRY OIL A LONG WAY, TOO.

INCLUDING ...

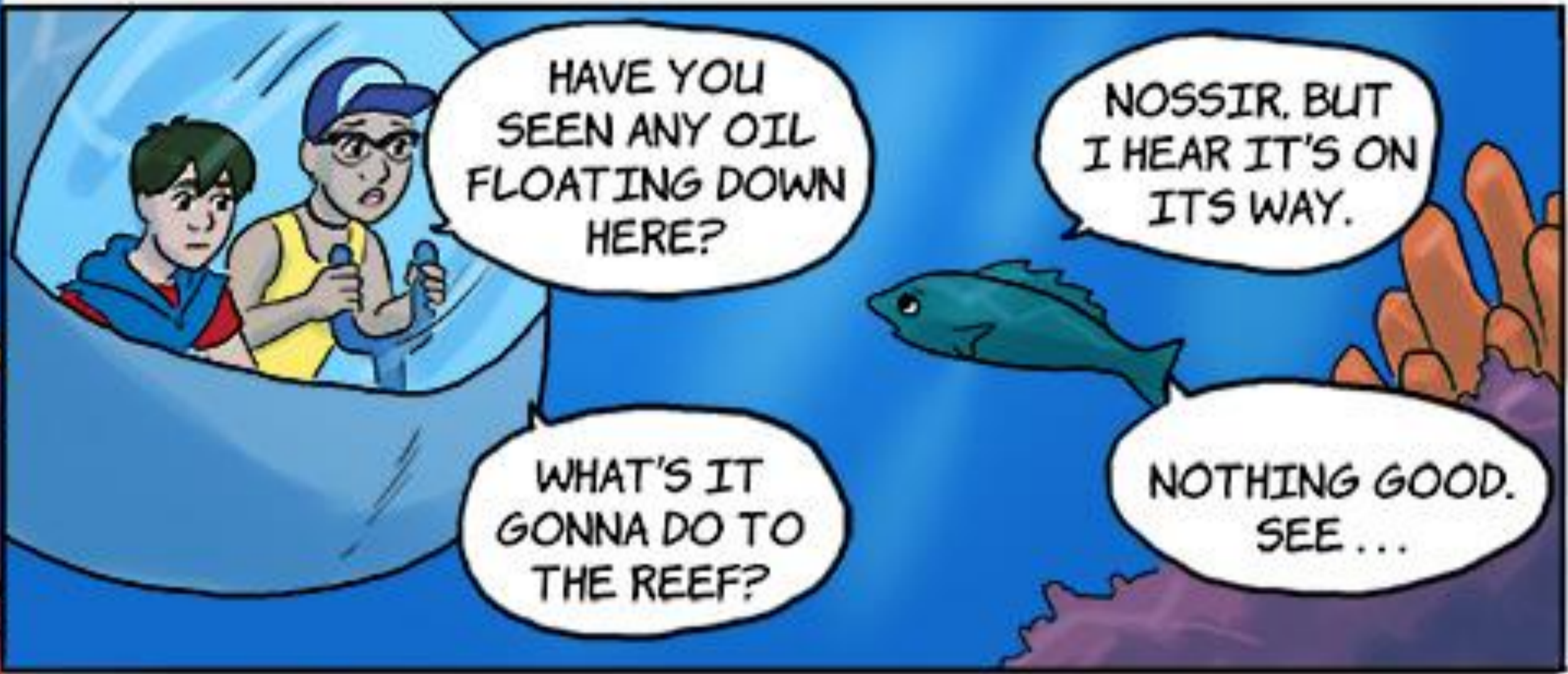
... DOWN BELOW!



THE BIOSPHERE!

WELCOME TO THE CORAL REEF! THE HOME TO MILLIONS OF LIVING THINGS.

AND THE CORAL ITSELF IS ALIVE, TOO.

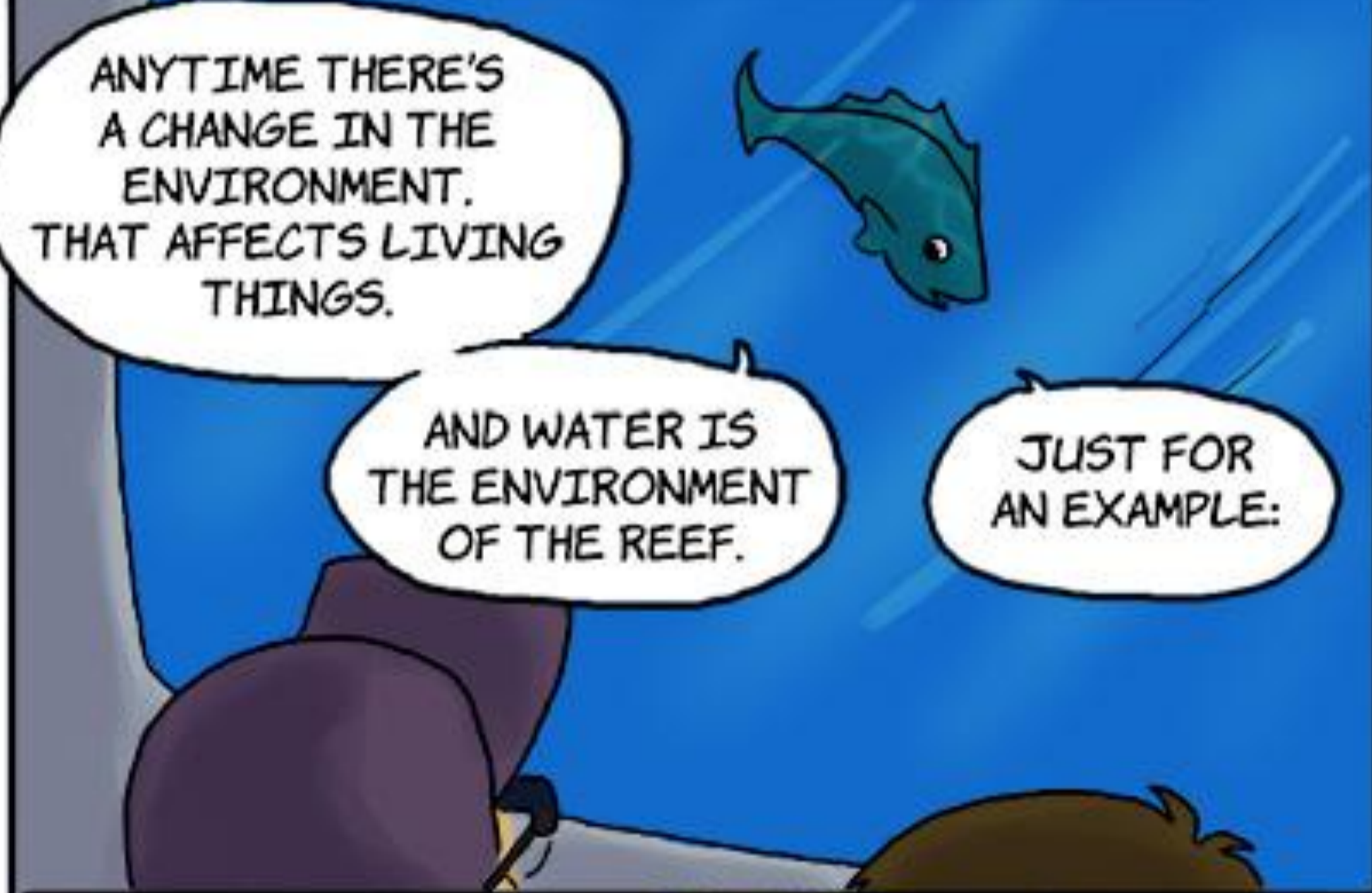


HAVE YOU SEEN ANY OIL FLOATING DOWN HERE?

NOSSIR, BUT I HEAR IT'S ON ITS WAY.

WHAT'S IT GONNA DO TO THE REEF?

NOTHING GOOD. SEE ...

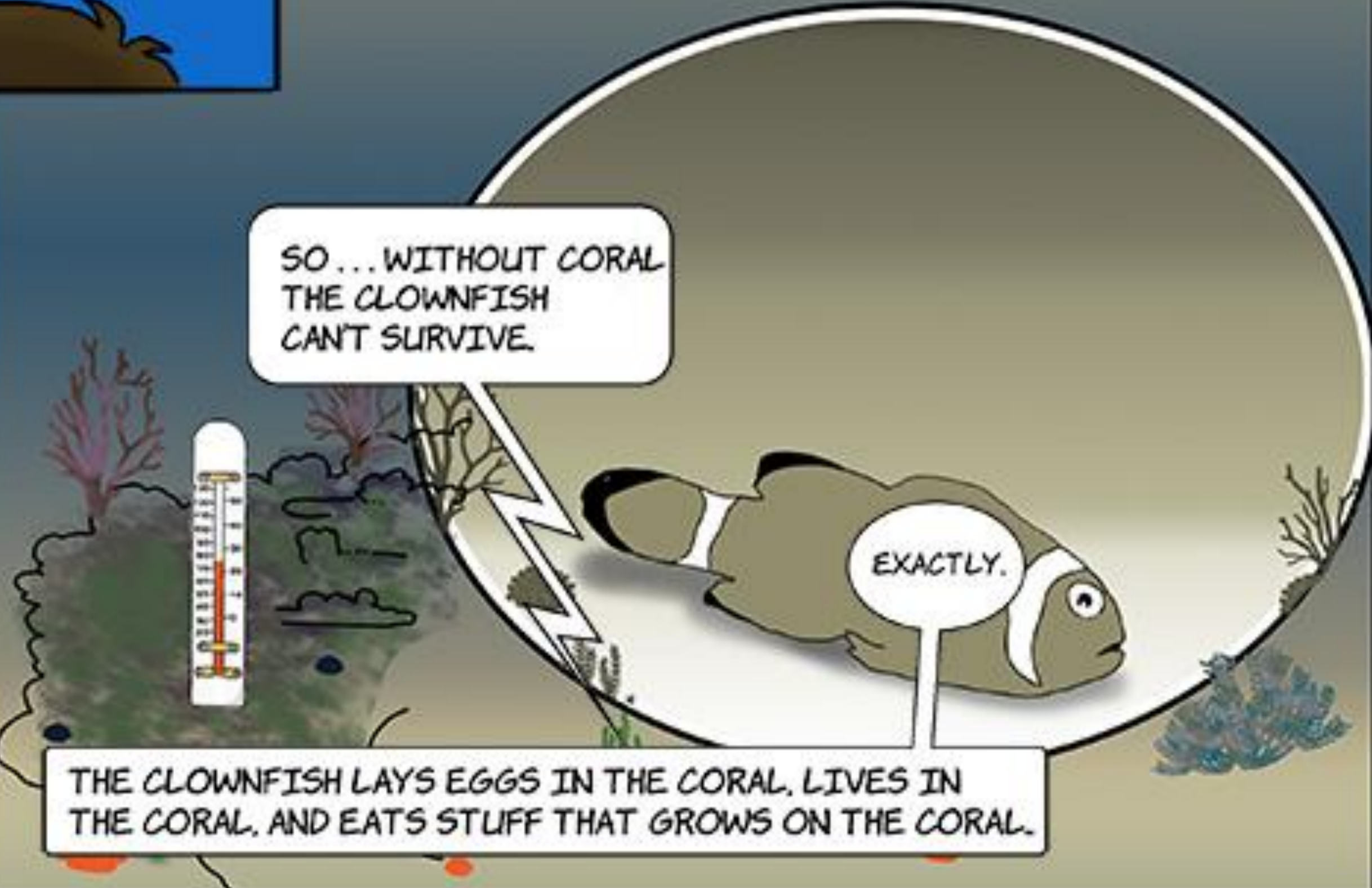


ANYTIME THERE'S A CHANGE IN THE ENVIRONMENT, THAT AFFECTS LIVING THINGS.

AND WATER IS THE ENVIRONMENT OF THE REEF.

JUST FOR AN EXAMPLE:

FROM THE MOSA MACK FILES

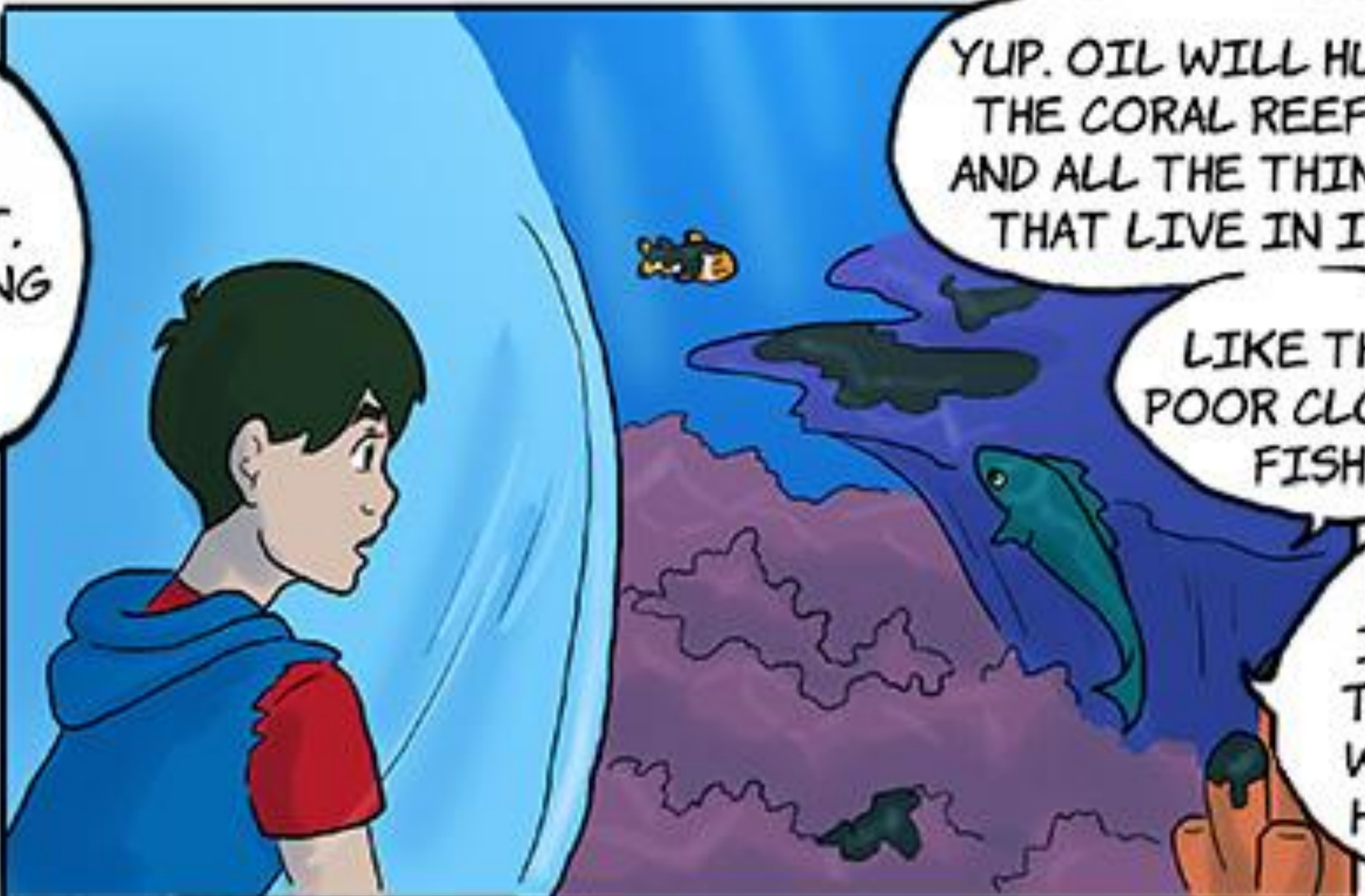


SO ... WITHOUT CORAL THE CLOWNFISH CANT SURVIVE.

EXACTLY.

THE CLOWNFISH LAYS EGGS IN THE CORAL, LIVES IN THE CORAL, AND EATS STUFF THAT GROWS ON THE CORAL.

IF OIL IS IN THE ENVIRONMENT, IT WILL AFFECT LIVING THINGS, TOO.



YUP. OIL WILL HURT THE CORAL REEF -- AND ALL THE THINGS THAT LIVE IN IT.

LIKE THAT POOR CLOWN-FISH.

BUT THERE'S OTHER STUFF IN THE ENVIRONMENT, TOO. THE AMOUNT OF SALT IN THE WATER, HOW MUCH SUNLIGHT HITS THE REEF FROM ABOVE.

SO WHEN ANOTHER FISH EATS THE CLOWNFISH, IT'S EATING OIL, TOO.

AND WHEN ANOTHER FISH EATS THAT FISH, IT'S EATING OIL, TOO!



THE OIL AFFECTS THEM ALL!

THIS IS PROOF!

A CHANGE IN THE HYDROSPHERE AFFECTS THE BIOSPHERE!

I CAN'T WAIT TO WIPE THE GRIN OFF THAT TOOTHPASTE MODEL'S FACE.

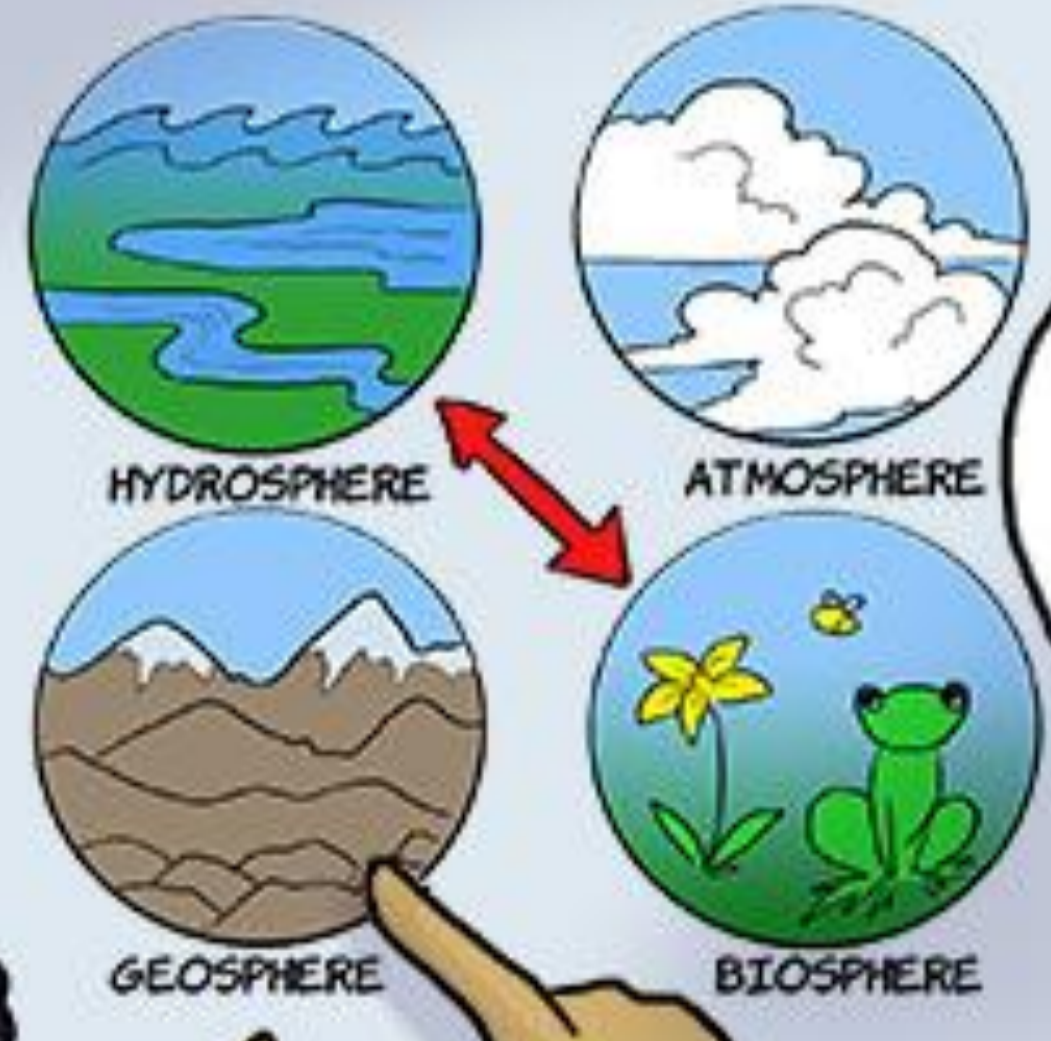


... GEOSPHERE, WHICH IS LAND, WHICH MEANS A NICE, DRY BEACH.

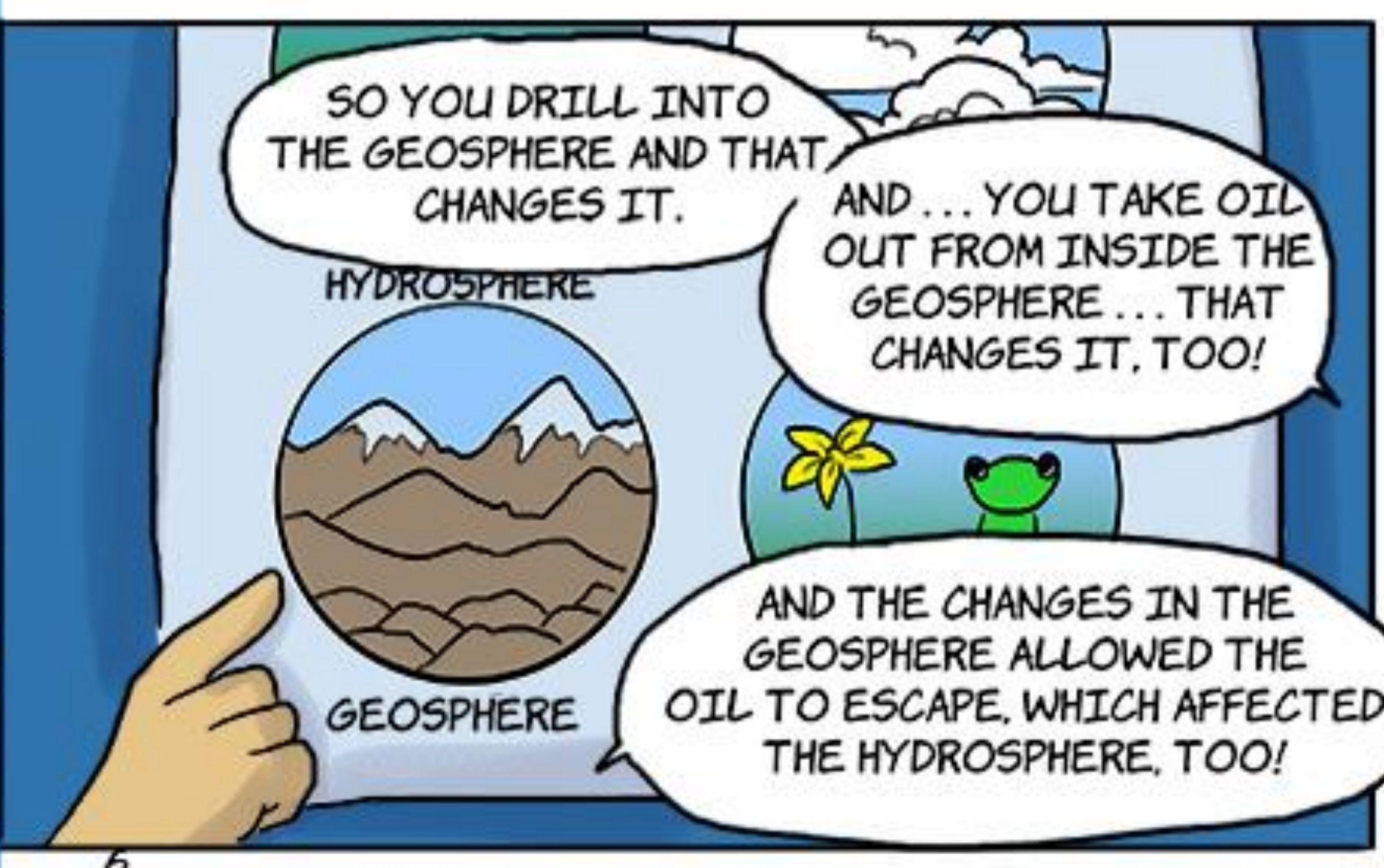
HOLD ON THERE!

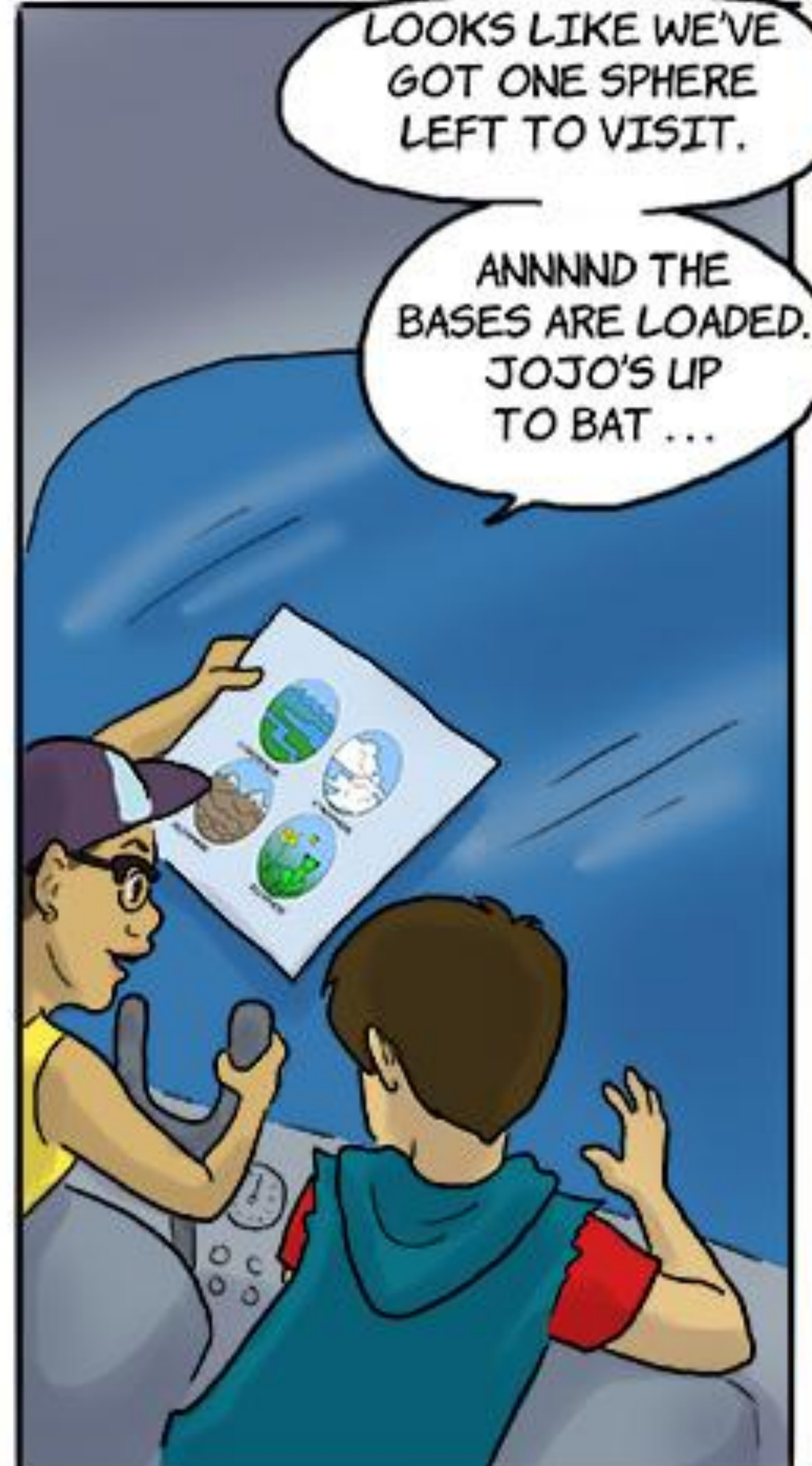
THERE'S PLENTY OF LAND TO LOOK AT DOWN HERE! FOLLOW US!

HOLD UP, COUSIN.



THAT'S ONLY TWO SPHERES OUT OF FOUR. WE'VE STILL GOT ...





LOOKS LIKE WE'VE GOT ONE SPHERE LEFT TO VISIT.

ANNND THE BASES ARE LOADED. JOJO'S UP TO BAT ...



HOME RUN! THE ATMOSPHERE!

I THINK HE'S GOT US ON THIS ONE, JOJO.

HOW CAN SOMETHING IN THE WATER AFFECT THE AIR?



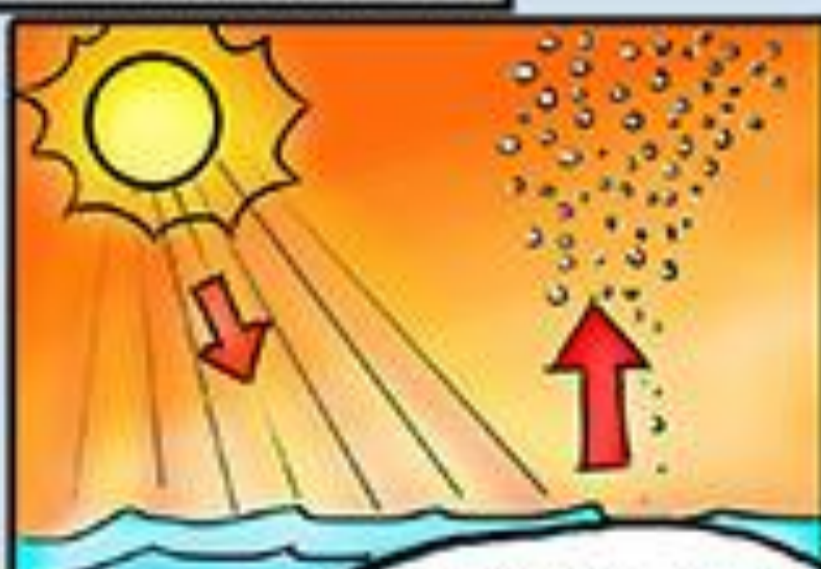
ACTUALLY, WATER AND AIR AREN'T AS SEPARATE AS YOU MIGHT THINK.

SOMETHING FROM THE HYDROSPHERE CAN EASILY MOVE UP INTO THE ATMOSPHERE.

UM, HOW?

MOSA MACK, SCIENCE DETECTIVE: WATER

FROM THE MOSA MACK FILES



IT EVAPORATES. HEAT CAUSES LIQUID TO BECOME VAPOR AND ENTER THE AIR! THAT'S HOW PUDDLES DRY UP OR A GLASS OF WATER IN THE SUN



HEY THAT'S WHAT HAPPENS WITH MY FUR TOO! WHEN IT'S HOT, I START SWEATING, BUT THEN THE SWEAT EVAPORATES AND I'M DRY AGAIN!

MOSA MACK, SCIENCE DETECTIVE: WATER



SAME HERE! RIGHT AFTER SOCCER, MY JERSEY'S DRENCHED.



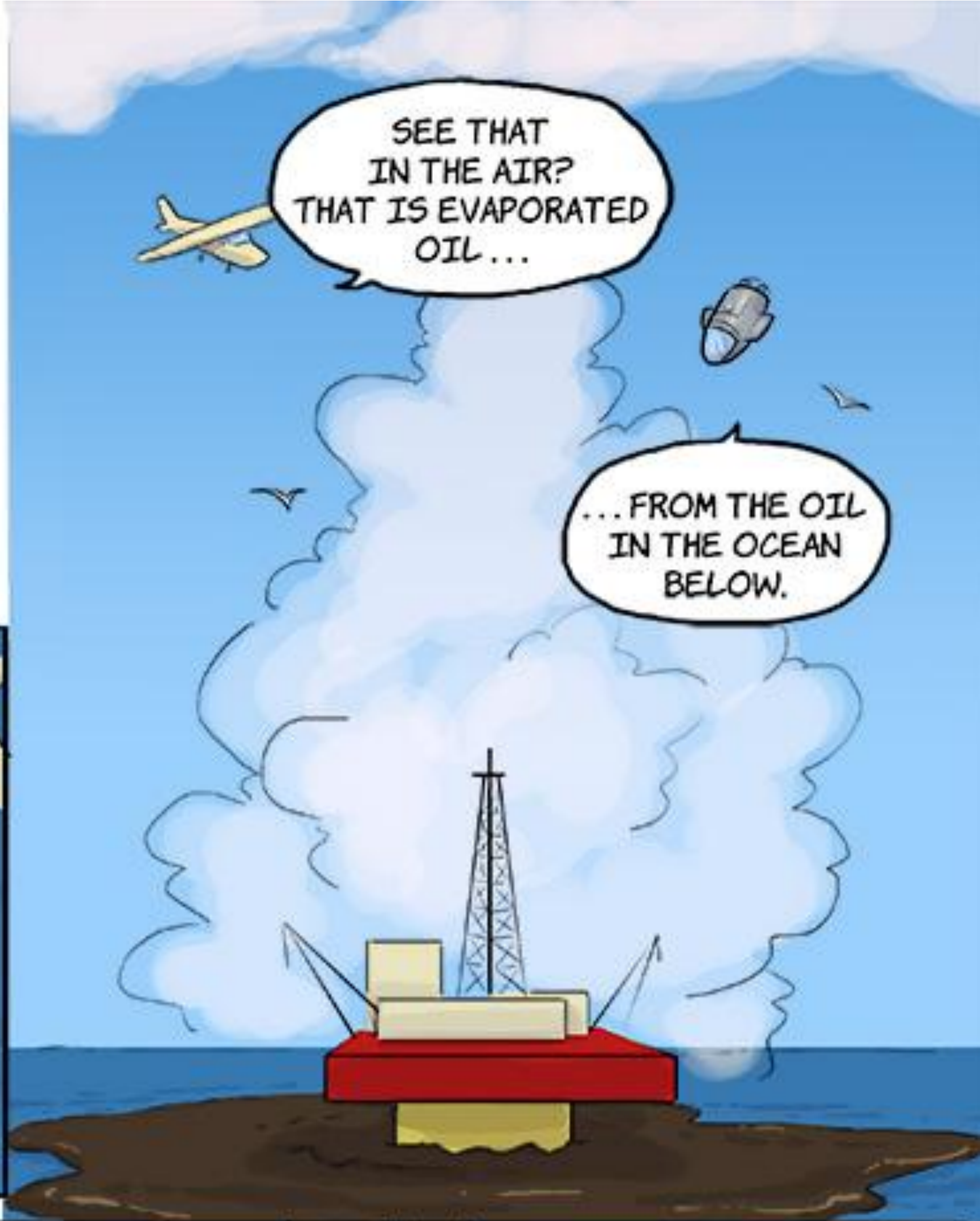
BUT WHEN I GET HOME, IT'S DRY!



WATER VAPOR GETS INTO THE SKY BY EVAPORATING FROM POOLS OF WATER BELOW. FROM RIVERS, LAKES AND MOST OF ALL... THE OCEANS!



THAT'S THE HYDROSPHERE.



SEE THAT IN THE AIR? THAT IS EVAPORATED OIL...

... FROM THE OIL IN THE OCEAN BELOW.



IF WATER EVAPORATES...

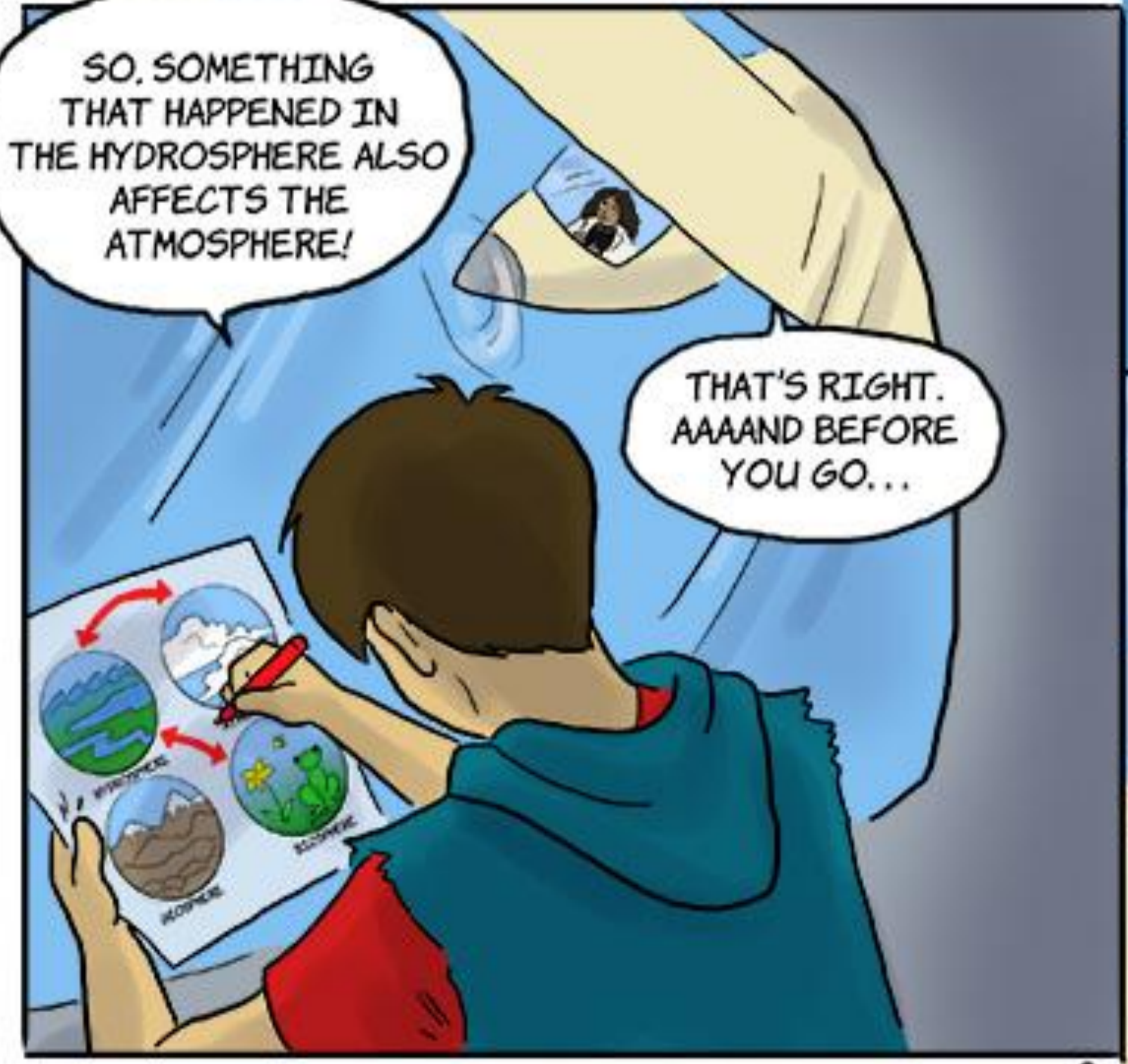
... DOES OTHER STUFF EVAPORATE, TOO? LIKE ... OIL?

YOU BET IT DOES.



FILLING THE SKY WITH CHEMICALS? SOUNDS KINDA LIKE POLLUTION, RIGHT?

SURE DOES TO US! \*COUGH COUGH\*



SO, SOMETHING THAT HAPPENED IN THE HYDROSPHERE ALSO AFFECTS THE ATMOSPHERE!

THAT'S RIGHT. AAAAND BEFORE YOU GO...



IT MIGHT HELP TO REMIND THAT SINGING OIL GUY ...

... EVEN WHEN OIL DOESN'T SPILL INTO THE OCEAN AND EVAPORATE,

IT STILL AFFECTS THE ATMOSPHERE.

OKAY! SO SOMETHING THAT HAPPENS IN THE HYDROSPHERE AFFECTS THE ATMOSPHERE,

THE GEOSPHERE, AND THE BIO-SPHERE.



WHICH MEANS THIS DIAGRAM

WITH THESE LINES THAT DIVIDE ALL THE SPHERES?



THAT'S NOT SCIENCE AT ALL! IT'S A LIE.

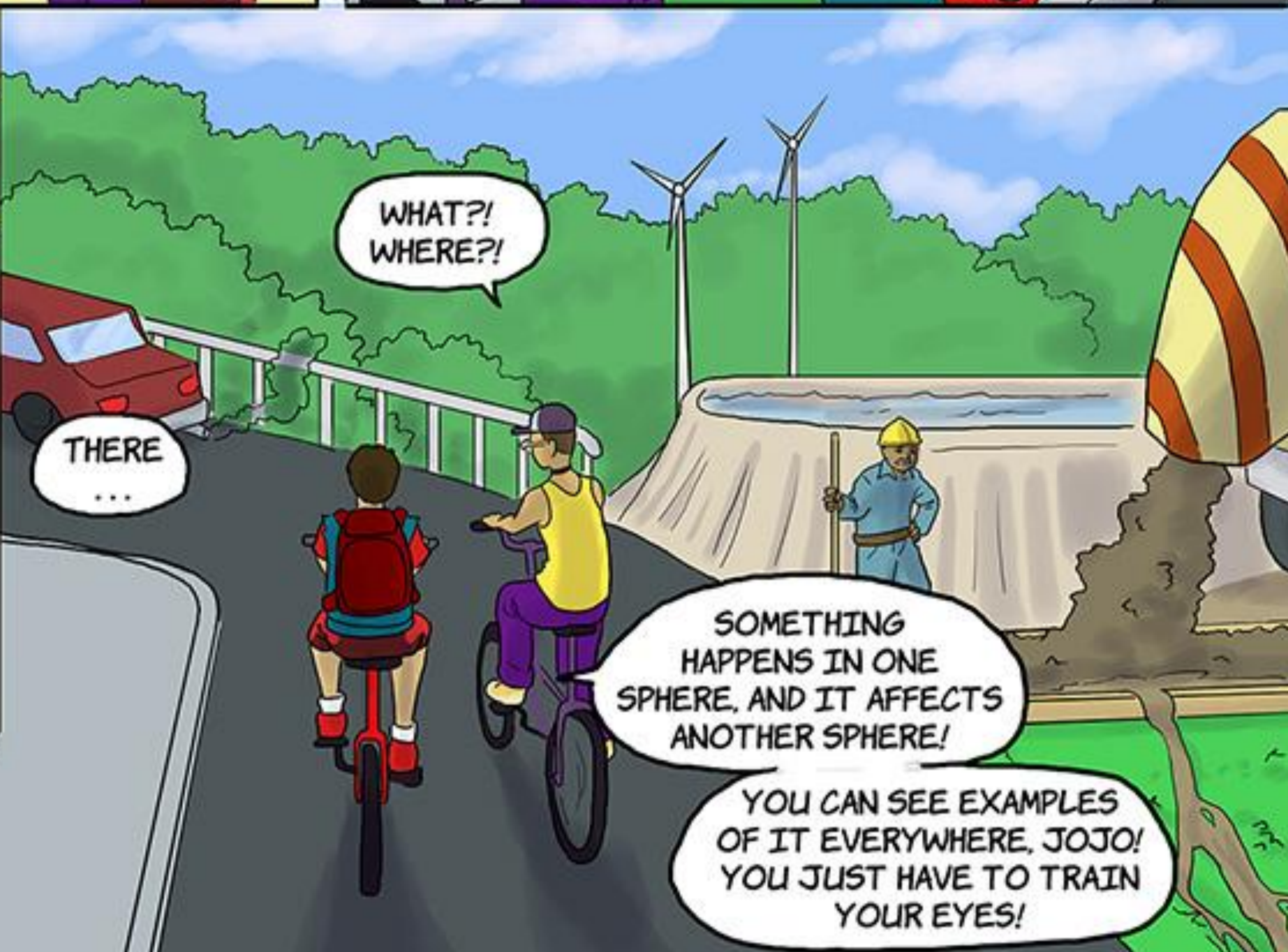
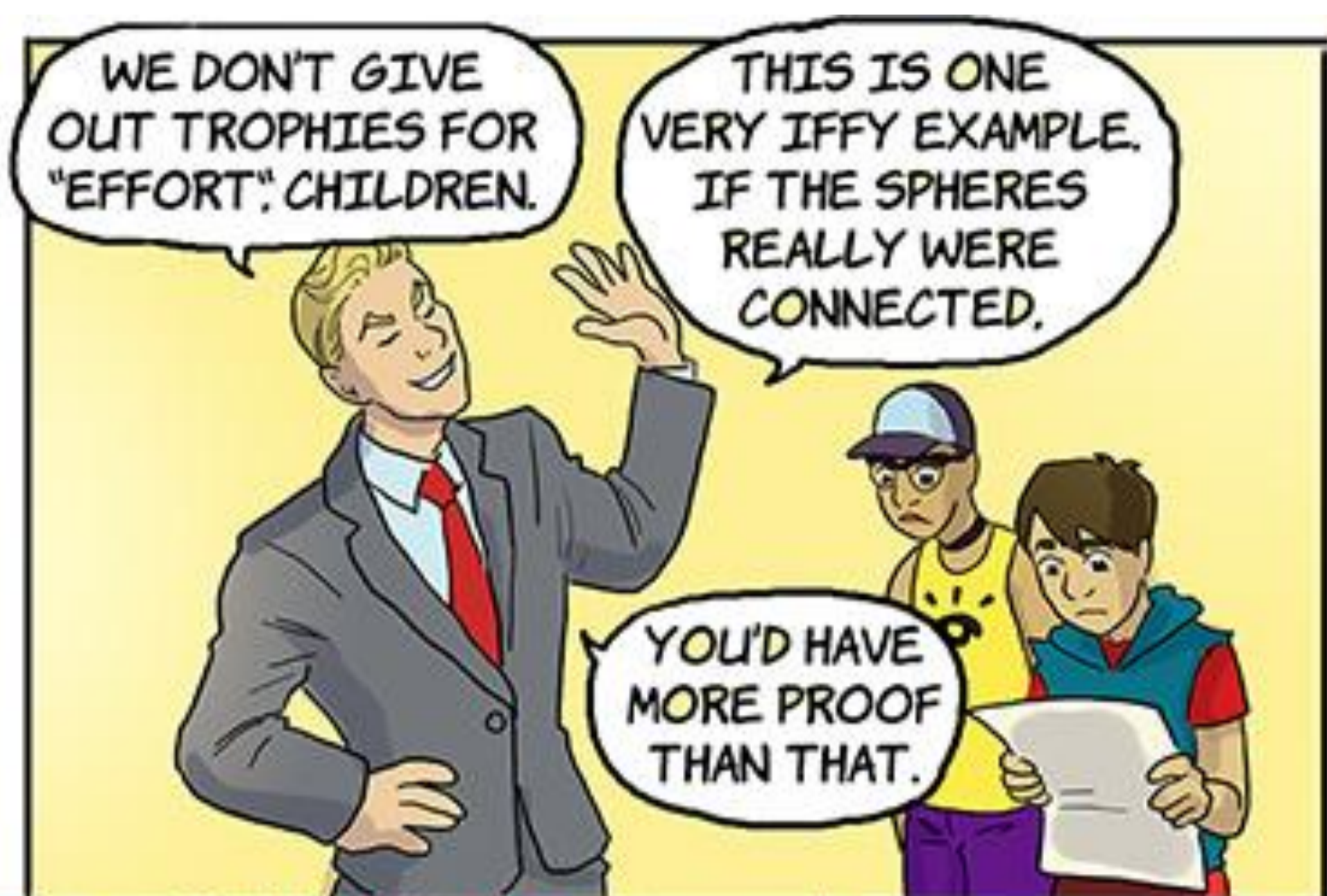
AND IF YOU DONT RETRACT THIS AD RIGHT NOW, YOU'LL BE THE ONE THAT GETS SUED!



IF YOU WANT SCIENCE, SIR, THIS IS SCIENCE.

SOMETHING THAT HAPPENS IN ONE SPHERE AFFECTS THE OTHER SPHERES.

THEY'RE NOT SEPARATE. THEY'RE CONNECTED!



WHAT EVIDENCE DID FELIX FIND?

WHAT EVIDENCE CAN YOU FIND?