

2020

SAVE WATER,
SAVE LIVES

2
SECOND
EDITION

WATER SAVERS

www.kura-river.org





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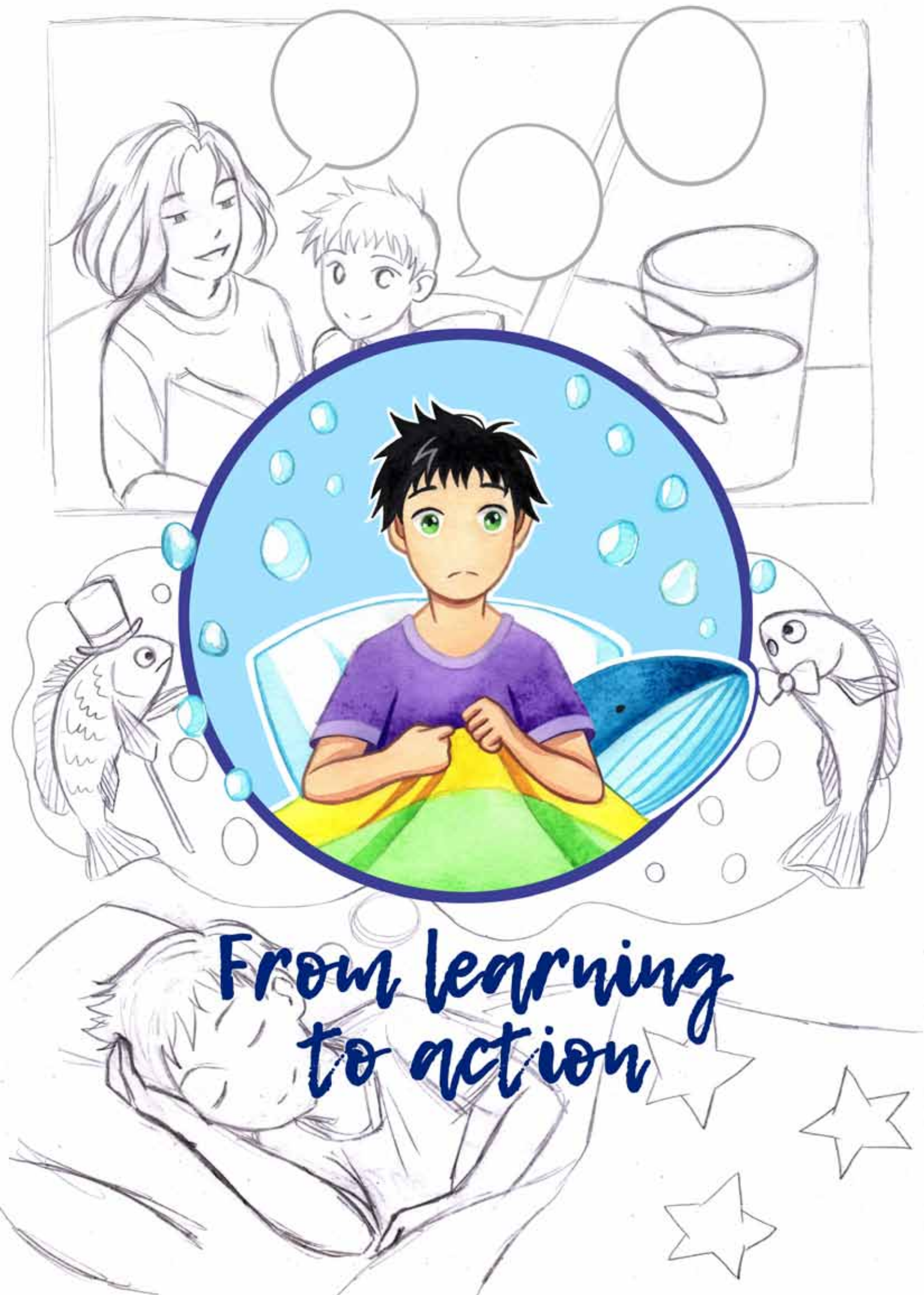
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These informative comics stories were developed in the framework of the UNDP-GEF project “Advancing Integrated Water Resource Management (IWRM) across the Kura river basin through implementation of the transboundary agreed actions and national plans” in 2020. It aims to provide a better understanding of the current state of water resources in the Kura river basin in an entertaining manner. It examines links between human activities and environmental degradation in the basin, as well as potential impacts of such global threats as climate change and disasters on water resources of Kura river basin. The publication also includes interesting facts about water resources, related ecosystems and provides additional information about some environmental concepts.

WATER SAVERS

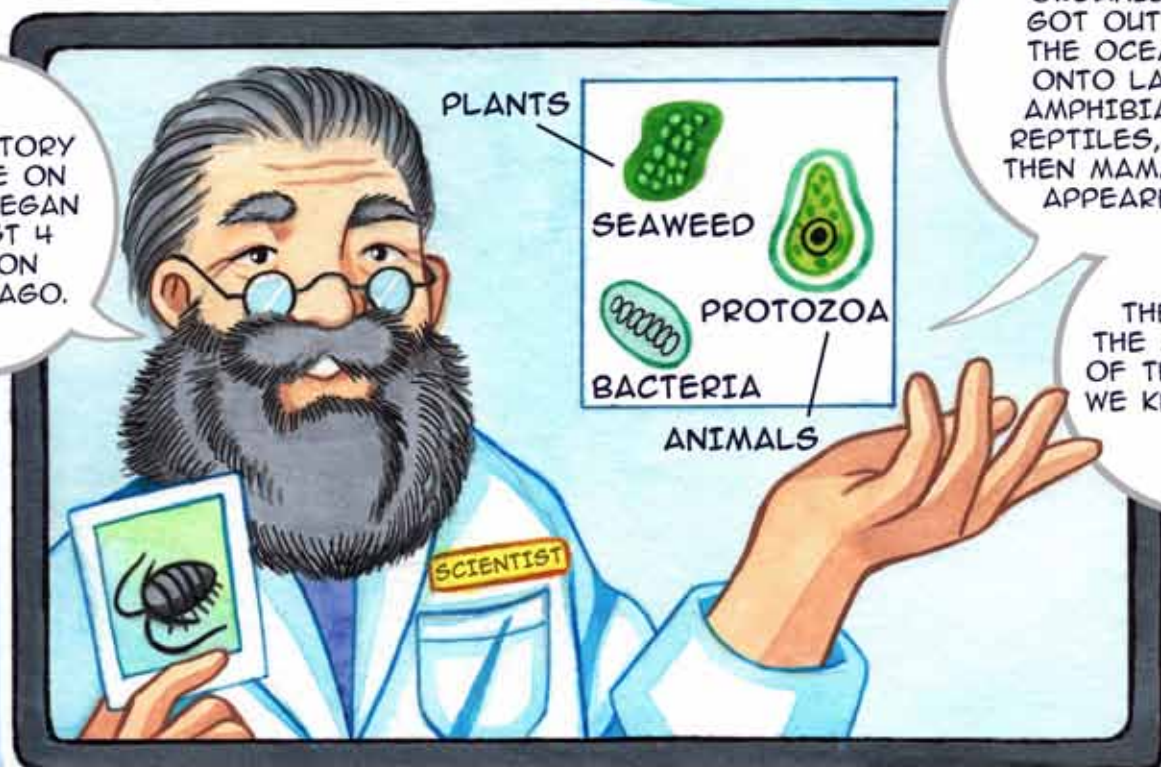




THIS IS NAZIM. HE LIKES SCIENTIFIC TV PROGRAMS. ESPECIALLY THE QUESTION: "HOW DID LIFE APPEAR ON EARTH?"



THE HISTORY OF LIFE ON EARTH BEGAN ALMOST 4 BILLION YEARS AGO.



THE FIRST LIVING ORGANISMS GOT OUT OF THE OCEANS ONTO LAND. AMPHIBIANS, REPTILES, AND THEN MAMMALS APPEARED.

THESE WERE THE ANCESTORS OF THE ANIMALS WE KNOW TODAY.



CAMBRIAN PERIOD

THIS IS
A TRILOBITE.
HE LIVED
IN THE SEAS
DURING THE
PALEOZOIC
ERA.

TRILOBITE

PALEOZOIC ERA

DEVONIAN PERIOD

THIS
CREATURE
IS CALLED
TIKTAALIK.
HE LIVED
DURING THE
DEVONIAN
PERIOD OF THE
PALEOZOIC
ERA.

TIKTAALIK
IS A
TRANSITIONAL
LINK BETWEEN
FISH AND
TERRESTRIAL
VERTEBRATES.

TIKTAALIK

ANABAS

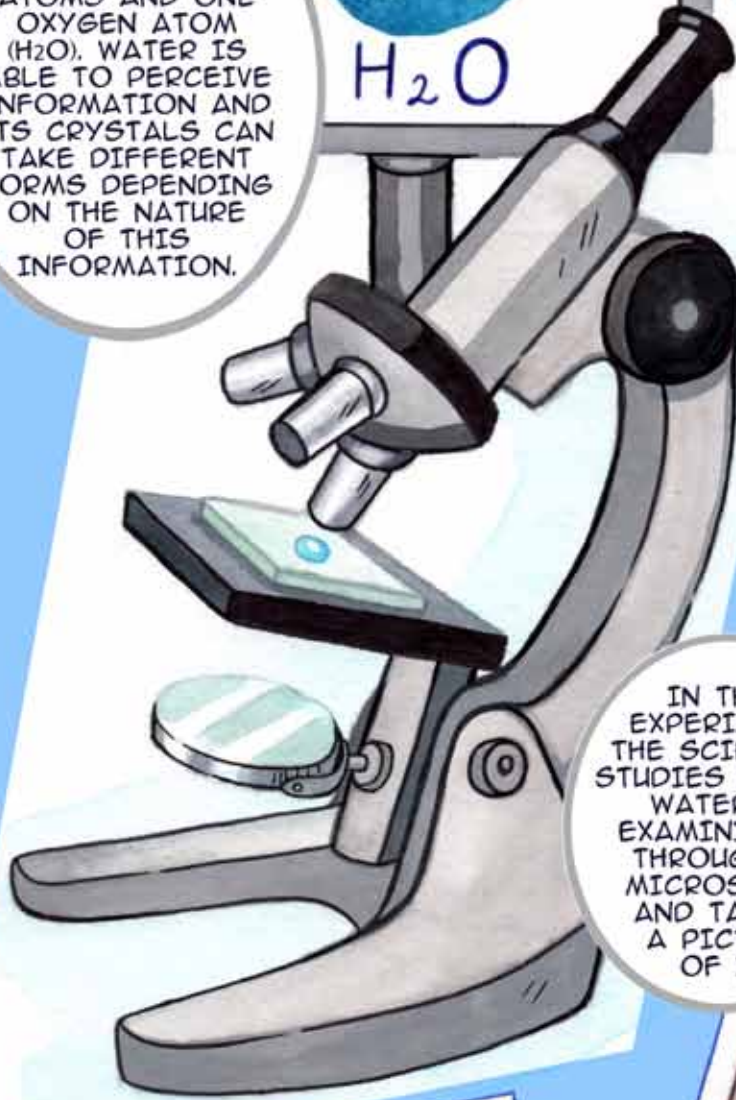
IF YOU SEE
A FISH THAT
MOVES ON
LAND OR SITS
ON A TREE,
DO NOT BE
SURPRISED.
THIS FISH
IS CALLED
ANABAS.

A WATER MOLECULE CONSISTS OF TWO HYDROGEN ATOMS AND ONE OXYGEN ATOM (H_2O). WATER IS ABLE TO PERCEIVE INFORMATION AND ITS CRYSTALS CAN TAKE DIFFERENT FORMS DEPENDING ON THE NATURE OF THIS INFORMATION.



THIS THEORY WAS EXPRESSED BY THE JAPANESE RESEARCHER MASARU EMOTO. HE CLAIMS THAT WATER IS CAPABLE OF ABSORBING, STORING AND TRANSMITTING

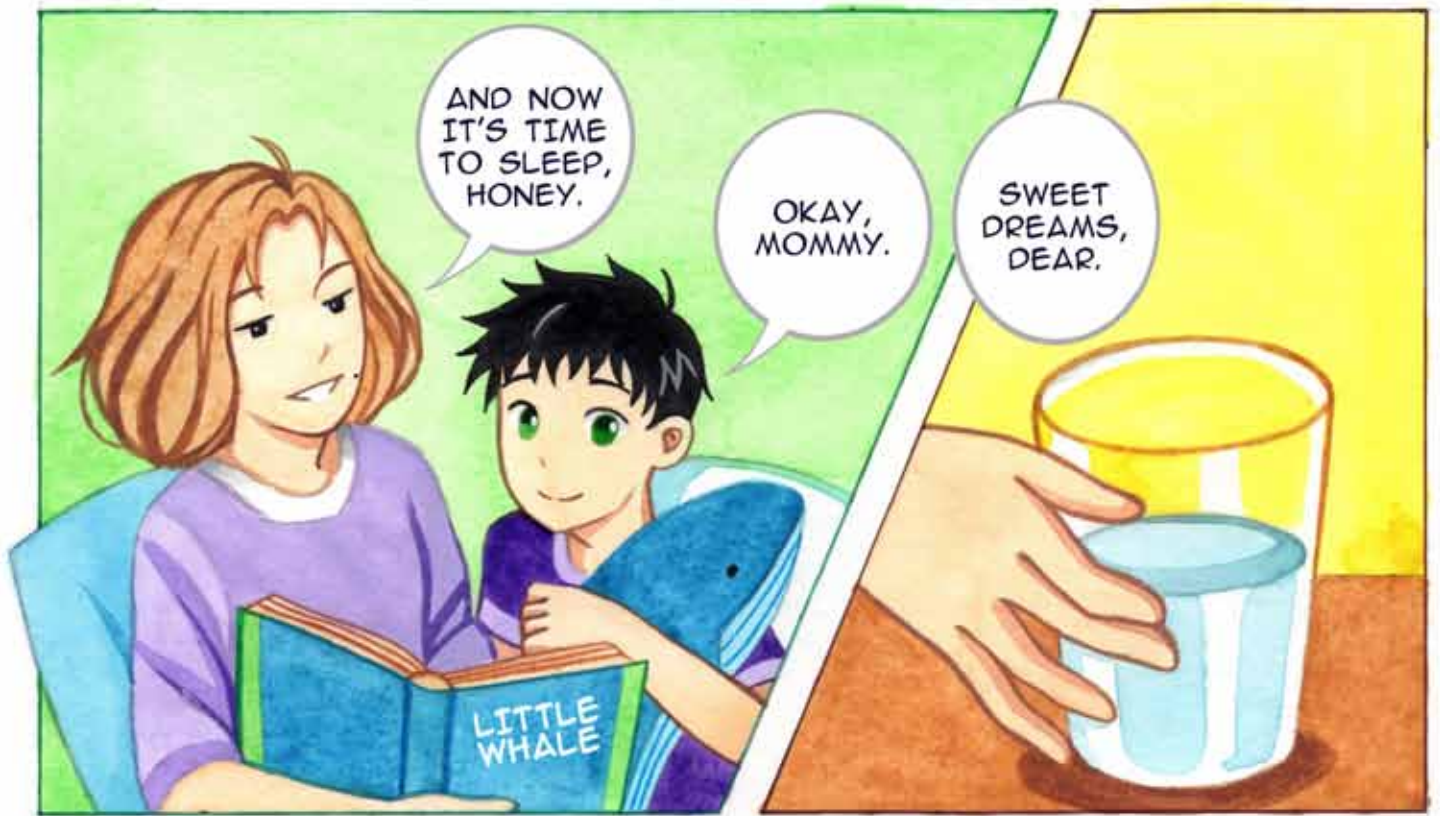
HUMAN THOUGHTS, EMOTIONS AND ANY INFORMATION—MUSIC, PRAYERS, CONVERSATIONS, EVENTS.



IN THIS EXPERIMENT, THE SCIENTIST STUDIES FROZEN WATER BY EXAMINING IT THROUGH A MICROSCOPE AND TAKING A PICTURE OF IT.



POSITIVE THOUGHTS AND FEELINGS GIVE RISE TO BEAUTIFUL DRAWINGS. AND THE NEGATIVE ONES, ON THE CONTRARY, ARE SHAPELESS AND CHAOTIC.



AND ALSO,
WHEN
GRANDFATHER
ASKS HIM TO
WATER THE
FLOWERS AT
THE SUMMER
HOUSE,
EVERYTIME
HE IS
DISTRACTED,

WITHOUT
FINISHING
THE JOB,
HE THROWS
THE HOSE
AND RUNS
TO PLAY
THE BALL.

AND
THE WATER
JUST FLOWS,
RUNS AWAY
INTO THE
SAND.

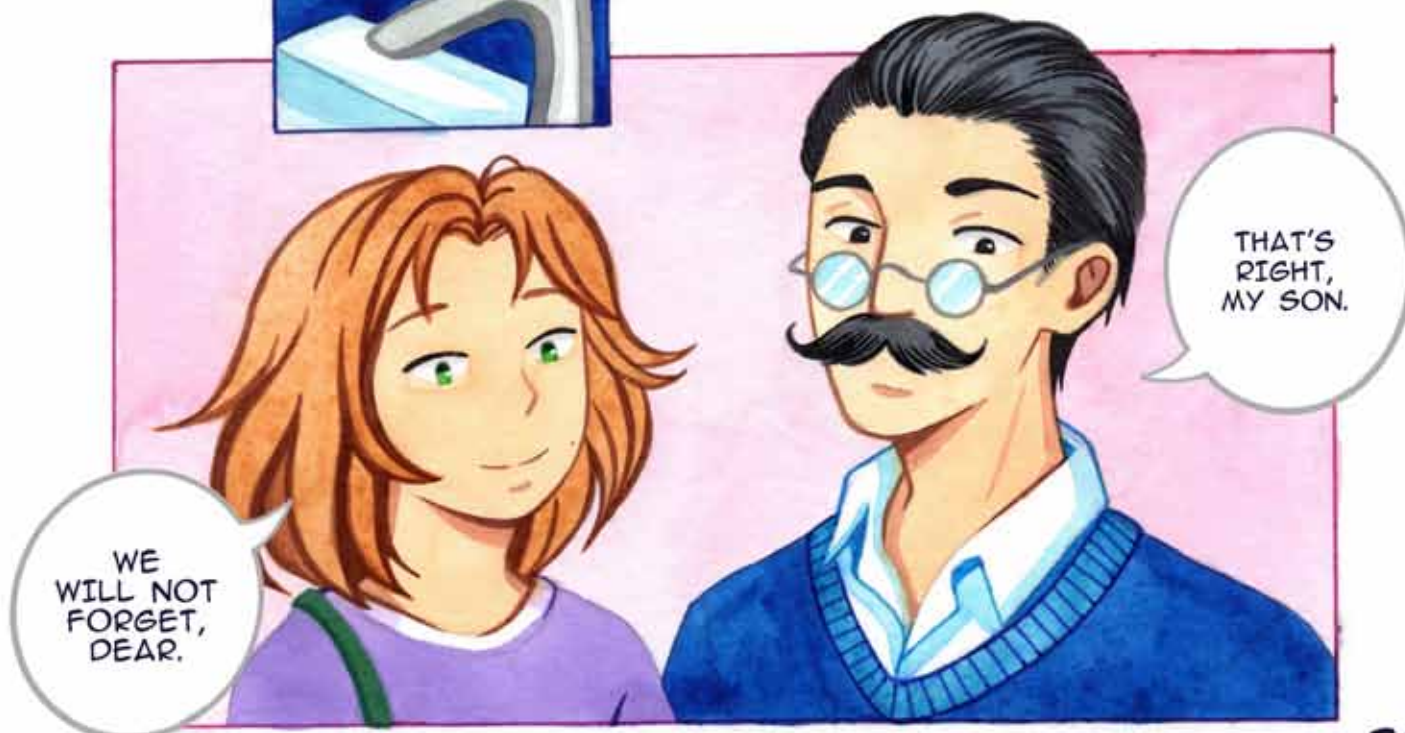
I'M SURE
HE DOESN'T
KNOW
ABOUT OUR
EXISTENCE!

HE IS
SOMETIMES
SO RUDE TO
HIS SISTER
AND PARENTS,
BUT WE AL
HEAR IT!

HE IS
UNAWARE
THAT IN
EVERY DROP
OF WATER
IS HIDDEN
A WHOLE
UNIVERSE
OF LIVING
ORGANISMS.

WAKE

UP



END



Grand dad's story





ON THE BANKS OF KURA RIVER ARE THE CITIES OF BORJOMI, GORI, MTSKHETA, TBILISI, RUSTAVI, MINGECHEVIR, YEVLAKH, SABIRABAD, SHIRVAN AND SALYAN.



NATURAL DISASTERS AND CLIMATE CHANGE.







WE HAVE TO DO A RESEARCH ON THIS TOPIC.

YEAH. I THINK YOU ARE RIGHT. LET'S DO IT!





DID
YOU FIND
SOMETHING?



ACTUALLY,
NO...
BUT I'M
STILL
SEARCHING.

I HAVE
AN IDEA!
AND YOU'LL
HELP ME.

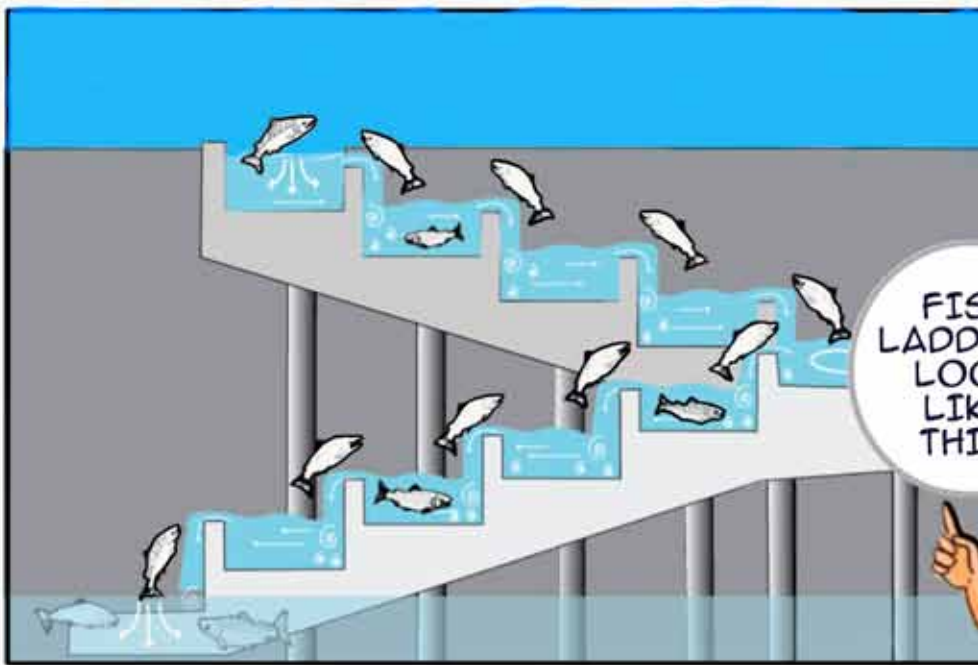


DID
YOU FIND
ANYTHING
THAT CAN
HELP US?

YEAH!







FISH
LADDERS
LOOK
LIKE
THIS.



WOW!

COOL!

one week later ...



END

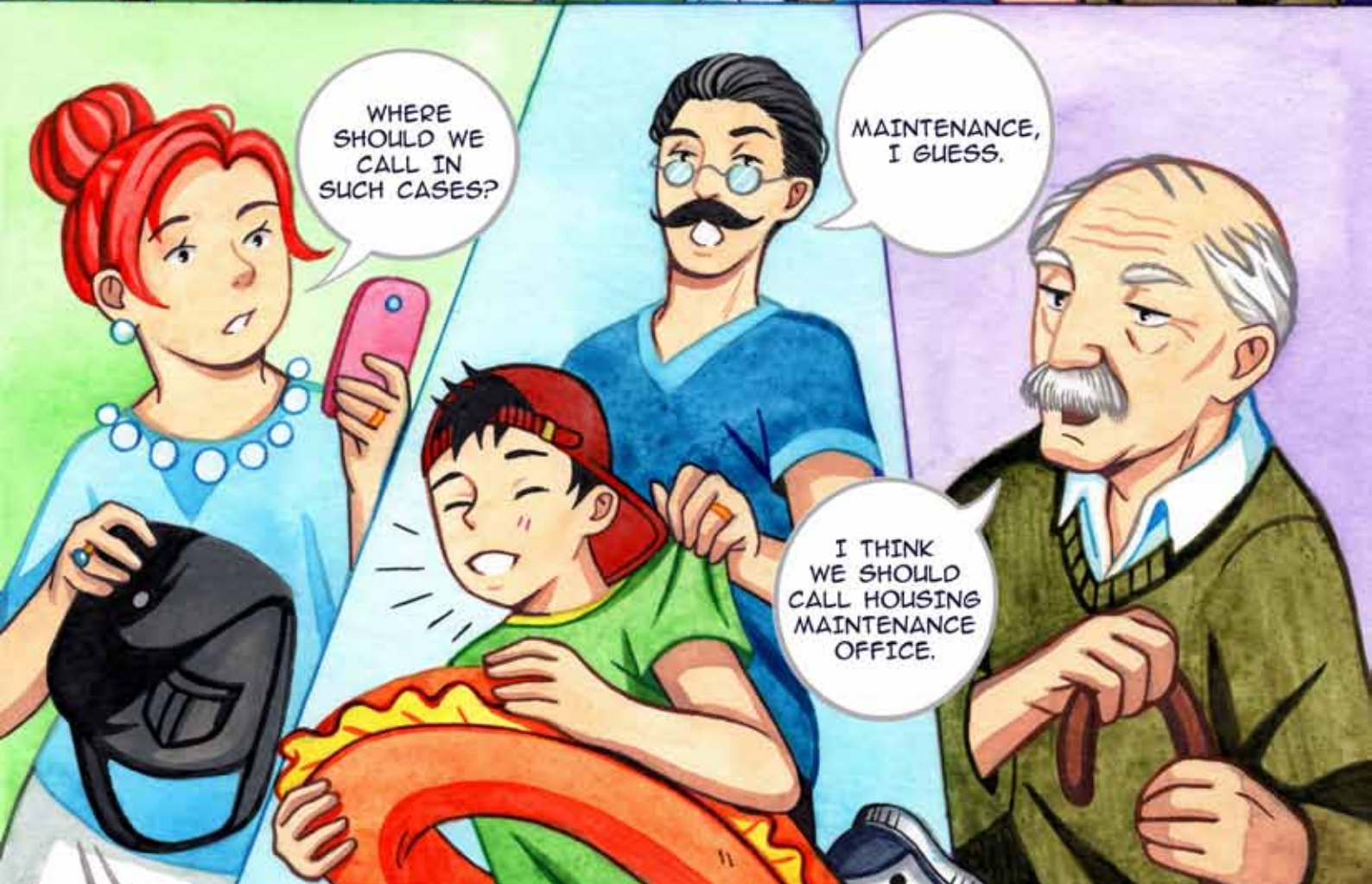
YOU ARE
INVITED
TO THE
INTERNATIONAL
CONFERENCE
FOR SCHOOL
CHILDREN.

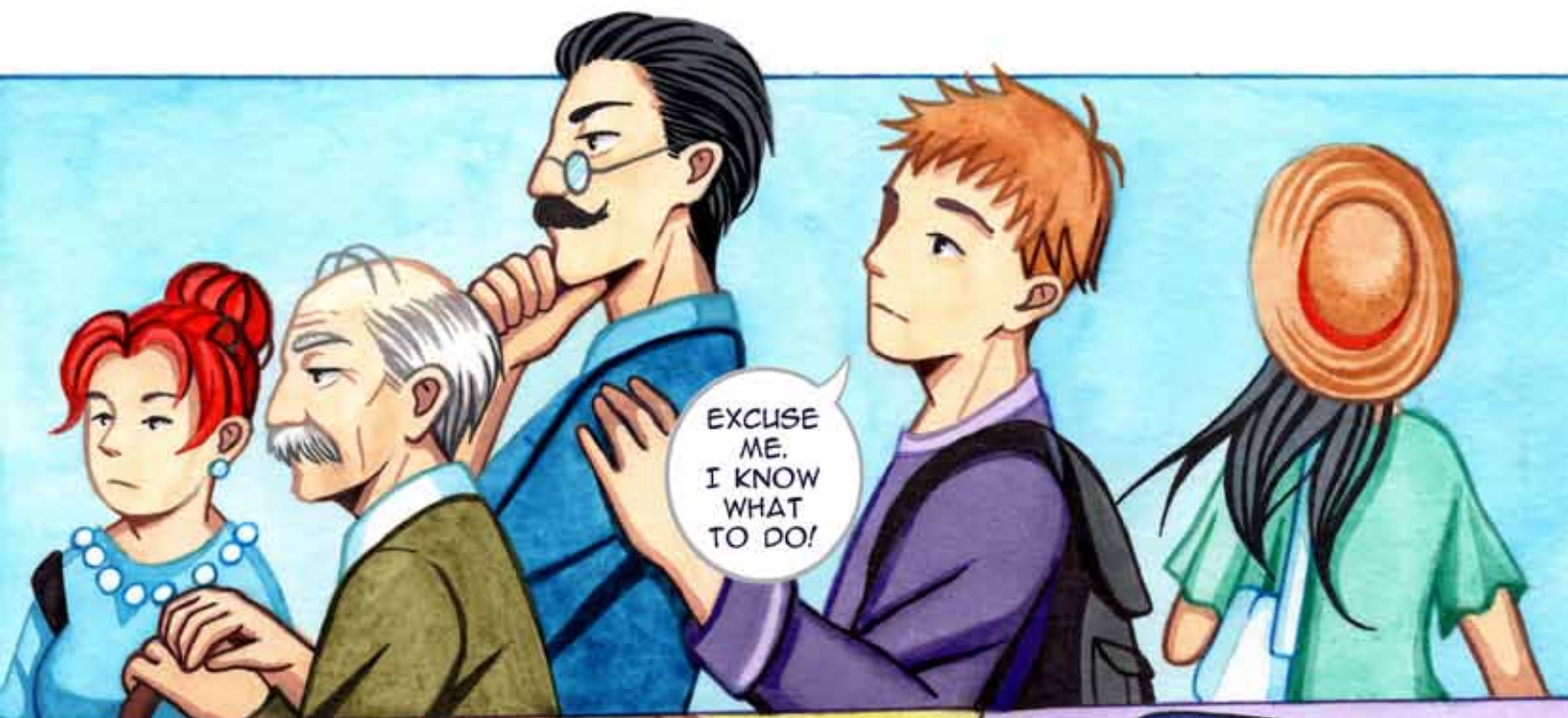


Hydro Heroes



come to
the rescue







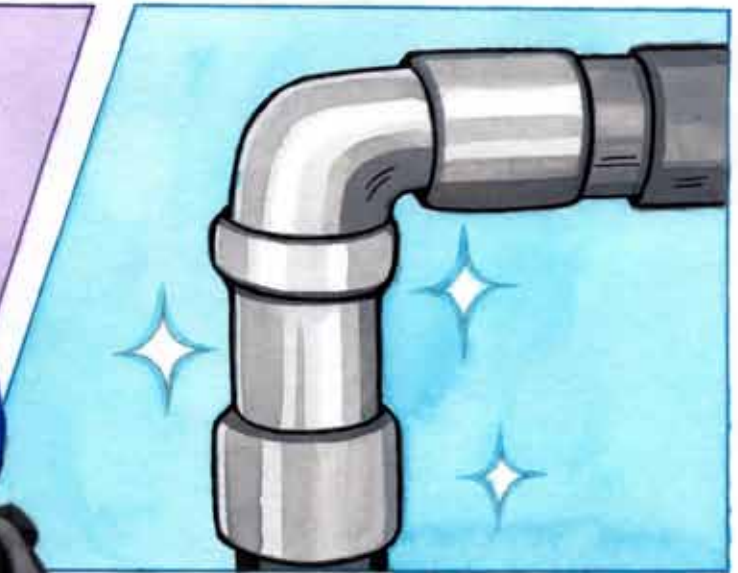
YOUNG MAN, COULD YOU PLEASE TELL US MORE ABOUT THIS PROGRAM?

OF COURSE! FIRST YOU NEED TO TAKE A PHOTO OF THE LEAK AND THEN SEND IT.

BY THE WAY YOU CAN SHARE YOUR THOUGHTS ABOUT THEIR WORK ON SOCIAL MEDIA.







AWESOME!



END



Where does
water come
from?



WHERE DO
WE GET
OUR WATER
FROM?



MAKE
RESEARCH ON
THE TOPIC
"WHERE
DID WATER
APPEAR FROM
ON EARTH?"

BRRRING!



HMMM...

ONCE OUR
PLANET WAS
JUST A RED-HOT
BALL OF FIRE,
AND IT LOOKED
AS IF ALL
VOLCANOES
ERUPTED
AT ONCE.

THIS COULD
HAVE CONTINUED
FOR MANY
MILLENNIA, IF
NOT FOR ICE
ASTEROIDS
CALLED
CHONDRITES.

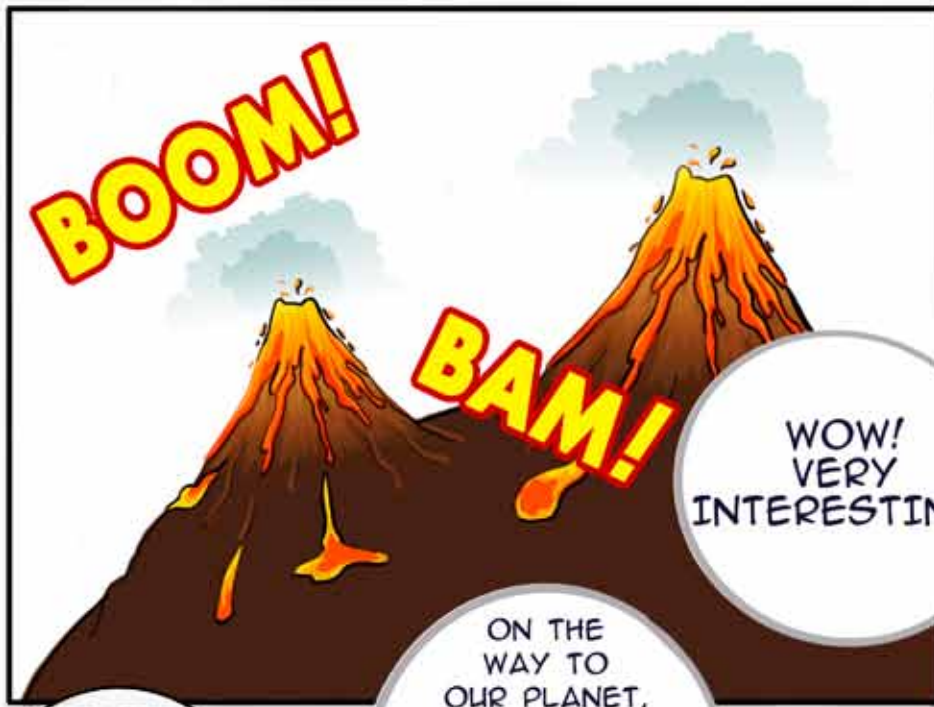


PROFESSOR,
WHERE DO
WE GET
OUR WATER
FROM?



WOW!



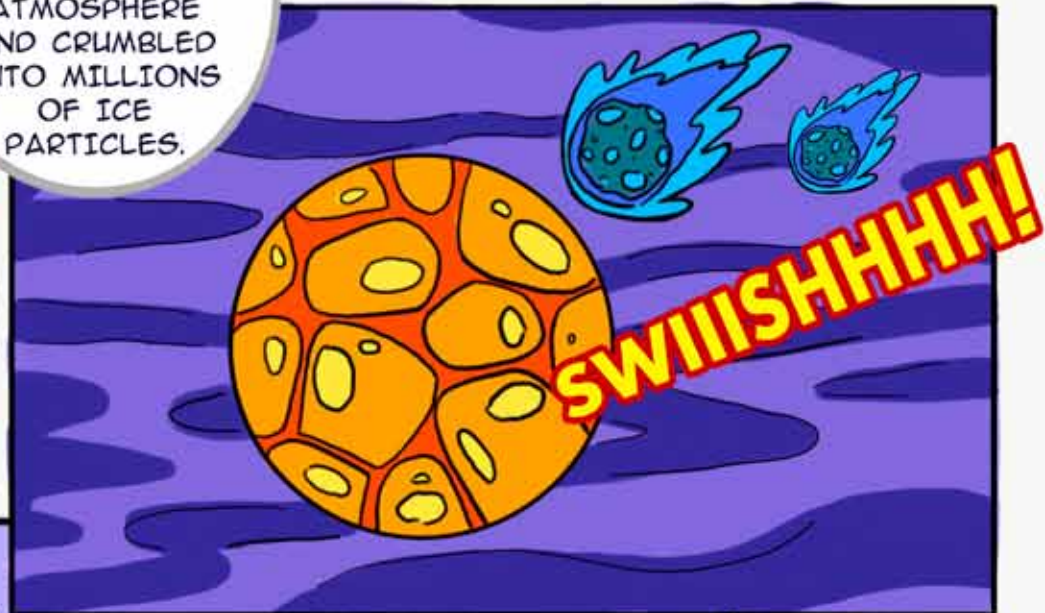


WOW!
VERY
INTERESTING!

ON THE
WAY TO
OUR PLANET,
THEY BURNED
UP IN ITS
ATMOSPHERE
AND CRUMBLED
INTO MILLIONS
OF ICE
PARTICLES.

THESE
PARTICLES
CONDENSED
IN THE AIR,
TURNING INTO
FREEZING RAIN,
AND FELL TO
THE SURFACE

OF THE EARTH.
THIS IS HOW
THE SEAS AND
OCEANS CAME
INTO BEING.

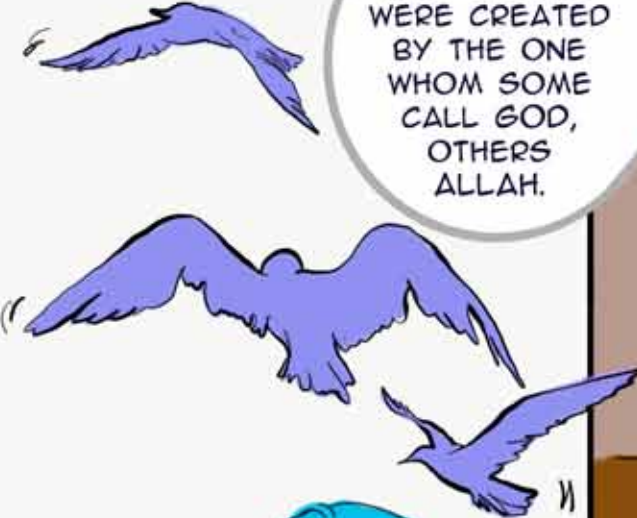





HELLO,
GRANDPA!
CAN I
ASK YOU A
QUESTION?




WHERE DO
WE GET
OUR WATER
FROM?



THE SEAS
AND OCEANS
WERE CREATED
BY THE ONE
WHOM SOME
CALL GOD,
OTHERS
ALLAH.



HE HAS
MANY
NAMES.



HE IS
THE ONE
WHO CREATED
OUR PLANET,
CREATED FORESTS,
MOUNTAINS,
FERTILE VALLEYS
AND POPULATED
THEM WITH
ANIMALS, BIRDS
AND PEOPLE.

WE HAVE TO
TAKE CARE OF
THE VERY LITTLE BIT
AVAILABLE, BECAUSE
IT IS A GIFT
FROM GOD.

IN HIS
WISDOM
AND MERCY,
HE GAVE US
WATER-THE
SOURCE OF
LIFE THAT
FEEDS ALL
THINGS...





WHAT DO YOU THINK, DADDY? WHERE DO WE GET OUR WATER FROM?

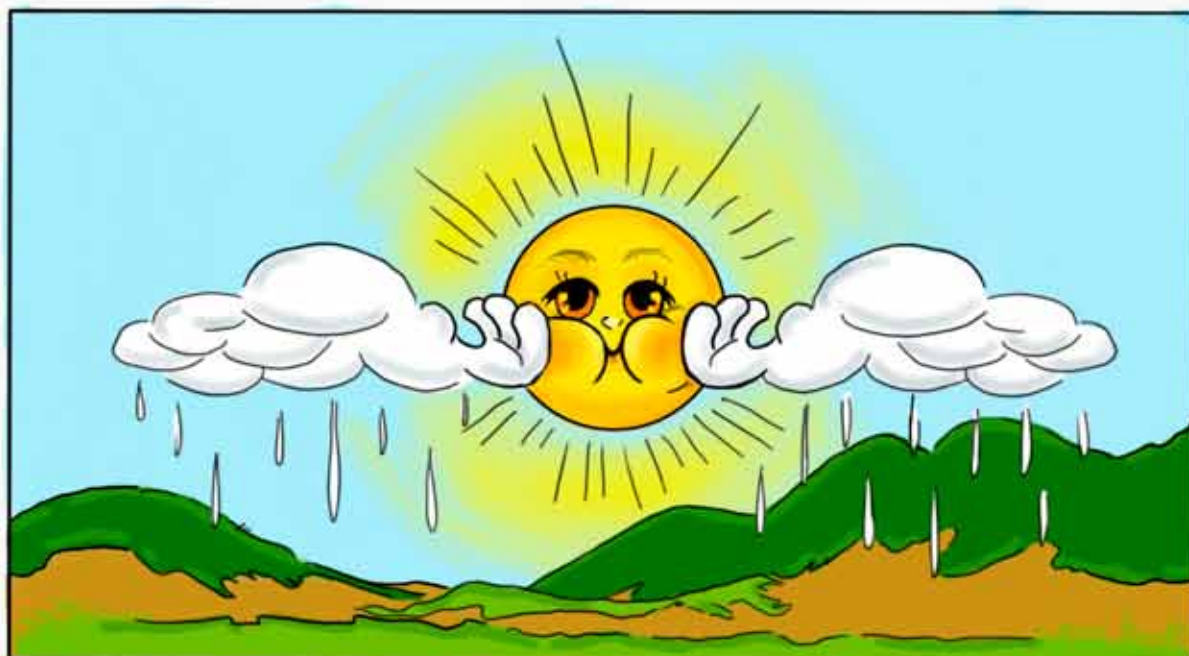
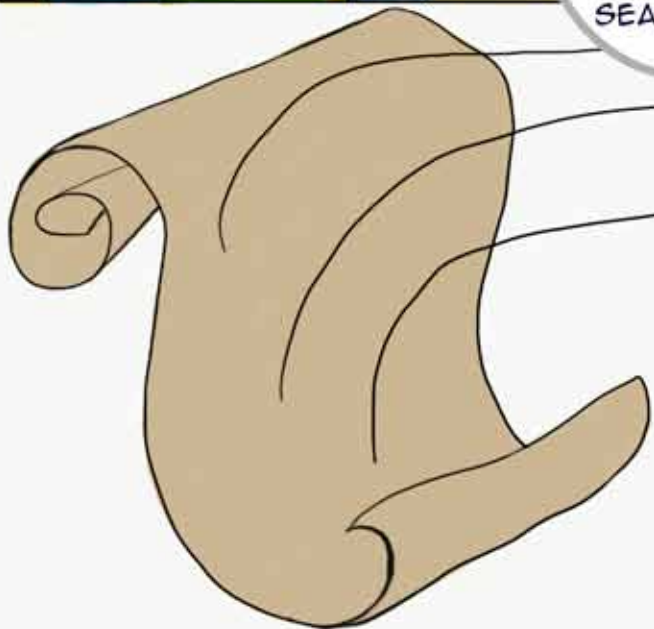


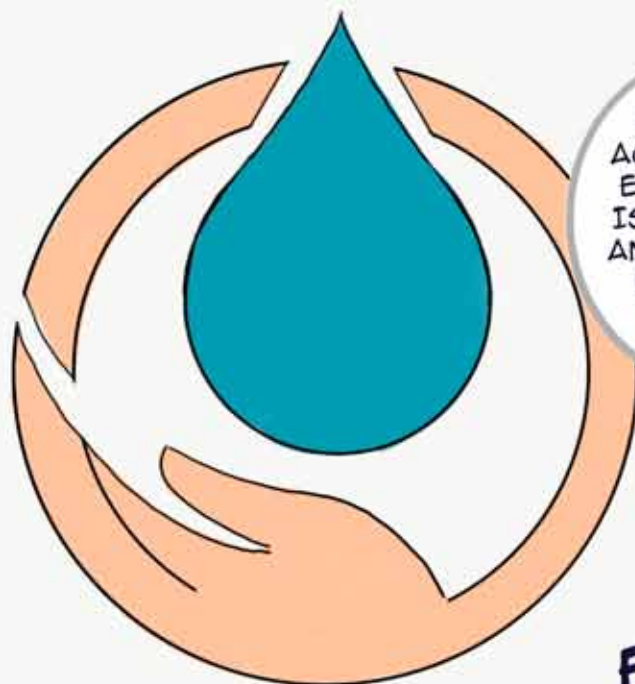
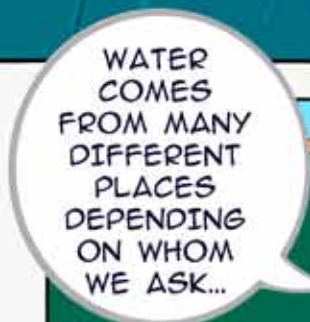
OF COURSE, I AM NOT A SCIENTIST, MY CHILD, AND IT'S NOT SO IMPORTANT FOR ME WHERE WATER COMES FROM, BUT...



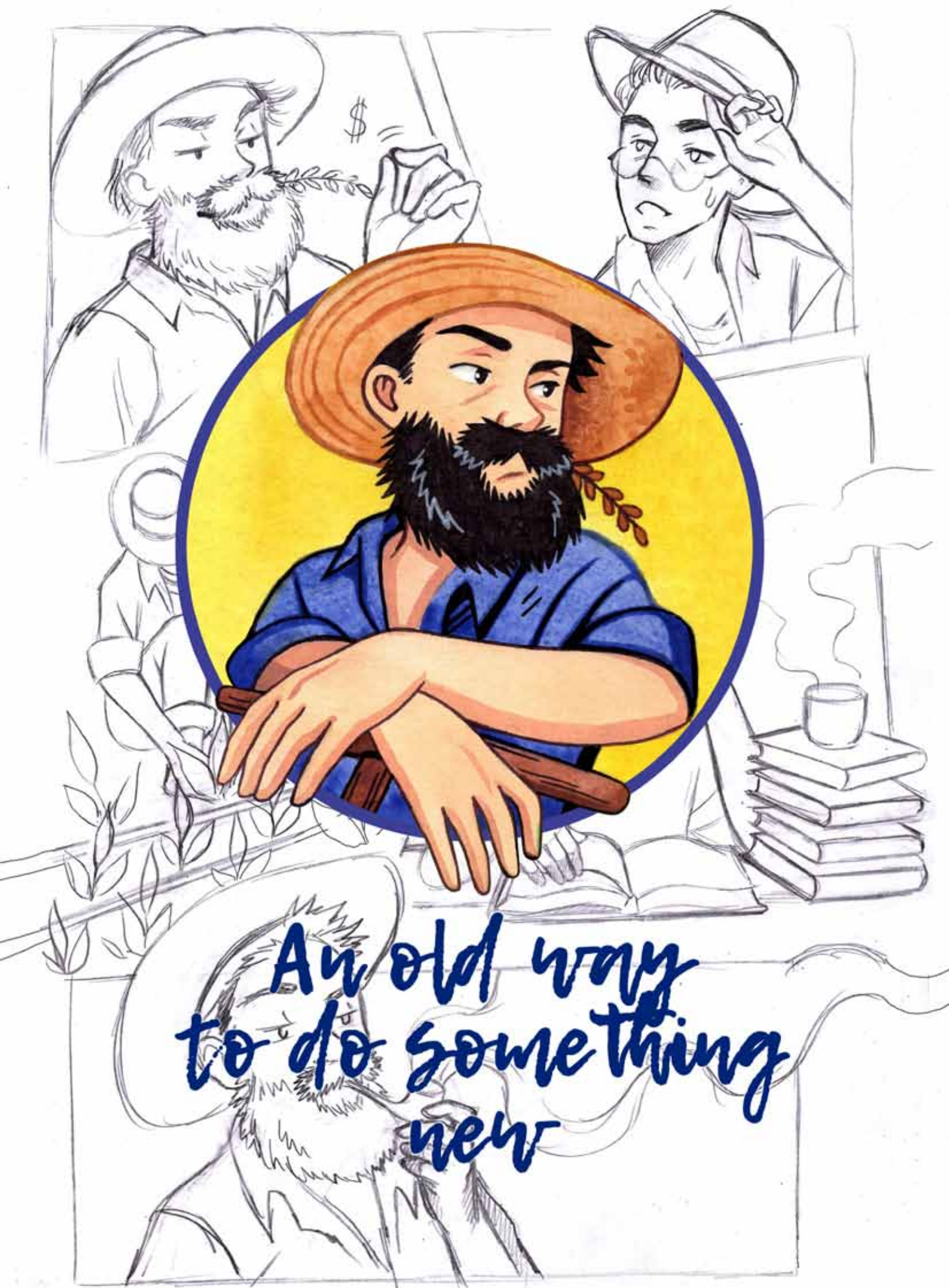
I LIKE THE WAY THE SUN TOUCHES THE HORIZON AND DISAPPEARS INTO THE SEA WAVES.

I LIKE THE WAY THIS WORLD IS WASHED BY MORNING DEW OR WARM SUMMER RAIN.





END





NEXT DAY...



WHAT IS HE DOING THERE?

WHAT ARE YOU DOING, NEIGHBOR?

INSTALLING DRIP IRRIGATION LINES. VERY INTERESTING TO SEE WHAT HAPPENS!



I'LL NOT ARGUE. WAIT AND SEE.



DON'T WASTE TIME AND MONEY, THERE IS NOTHING BETTER THAN THE OLD METHOD OF WATERING.

Irrigation.
Irrigation is the process of applying controlled amounts of water to plants at needed intervals. It can

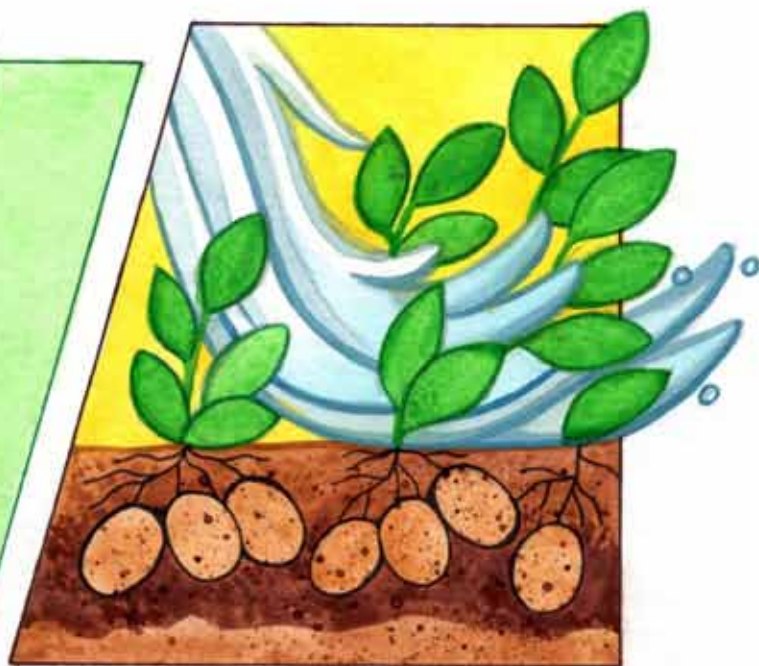
The Plants
It's Animal
An Trees
Sea river
Pipe garden
world water
People way
trees. It drip
Plants an pipe
And a we
of a n

ocean
o
c
ea
n
o
z



HMMM... HE IS BEING CLEVER AGAIN~







DON'T
BE SAD,
NEIGHBOR.
I'LL SHARE
MY HARVEST
AND
KNOWLEDGE
WITH YOU.



KEEP THE
FARMING
GUIDE. IT'LL
HELP YOU.
AND I'LL
HELP YOU
INSTALL DRIP
IRRIGATION.



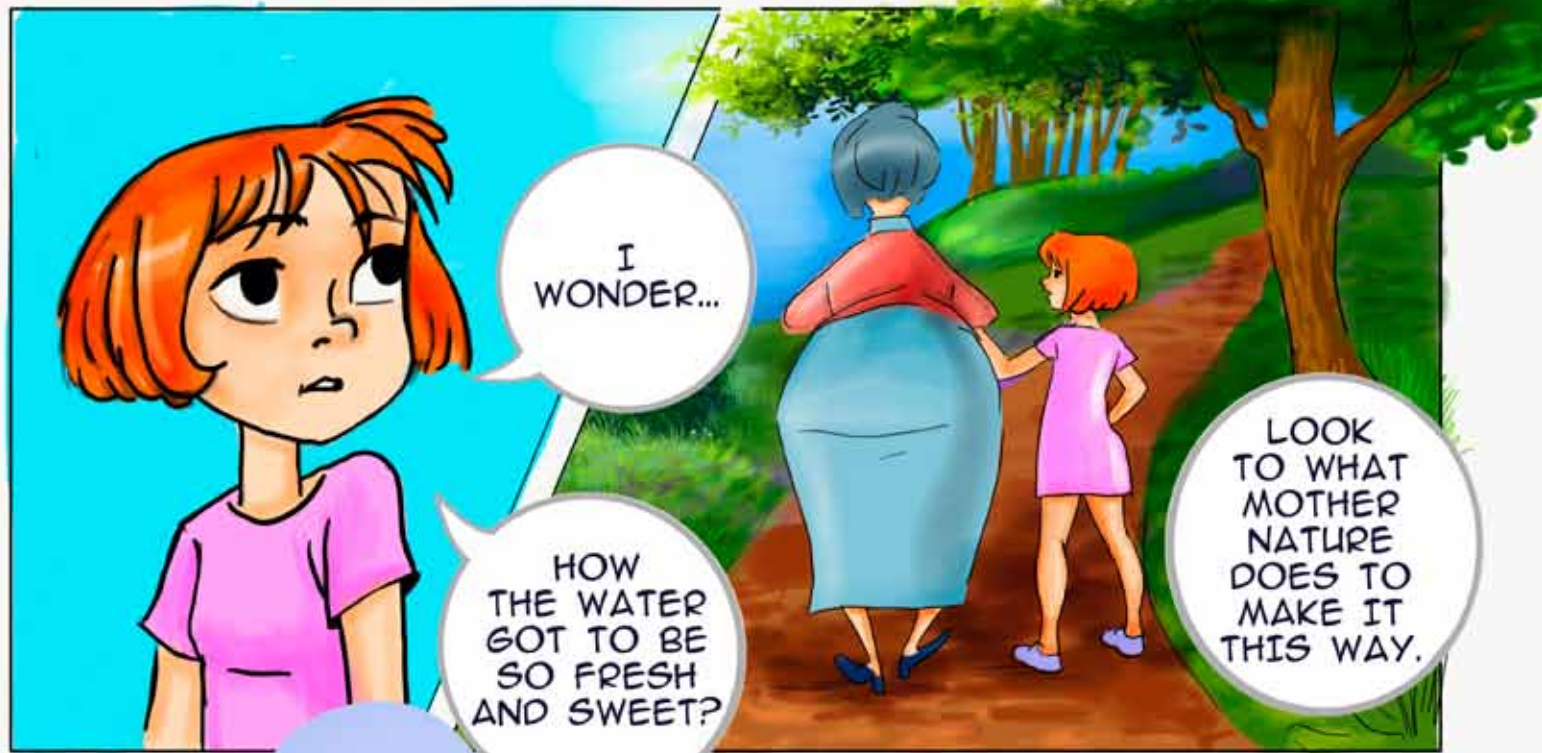
THANK
YOU,
NEIGHBOR!



END



Mother nature
does it
better



LOOK
TO WHAT
MOTHER
NATURE
DOES TO
MAKE IT
THIS WAY.

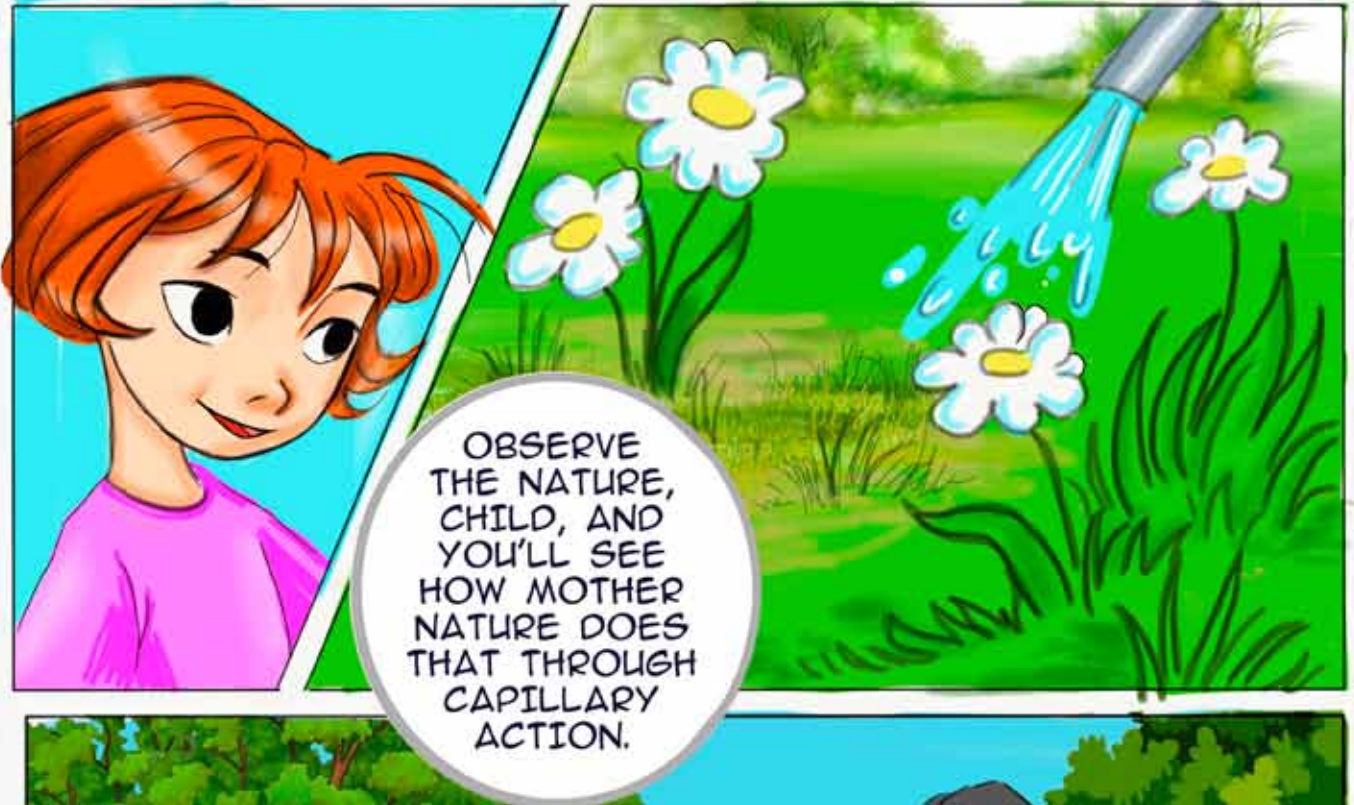


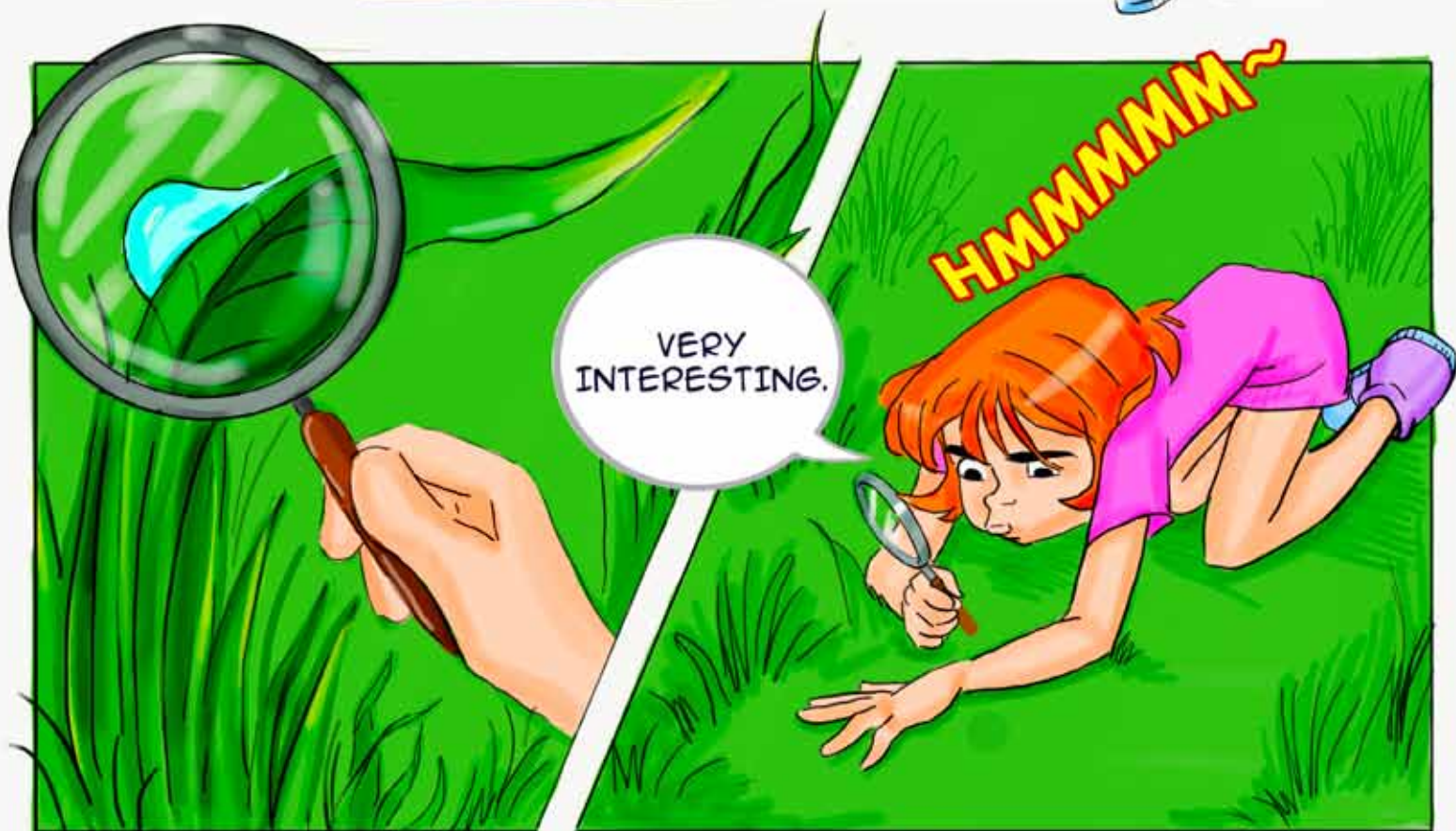
THE
WATER
FALLS AS
SNOW, AND
MELTS INTO
THE GROUND
THROUGH
LAYERS OF
SOIL AND
ROCK.

AND THEN
WHEN IT
COMES OUT
FROM
UNDERGROUND
IT IS CLEAN,
FRESH AND
COOL.

AND
SO
DELICIOUS.







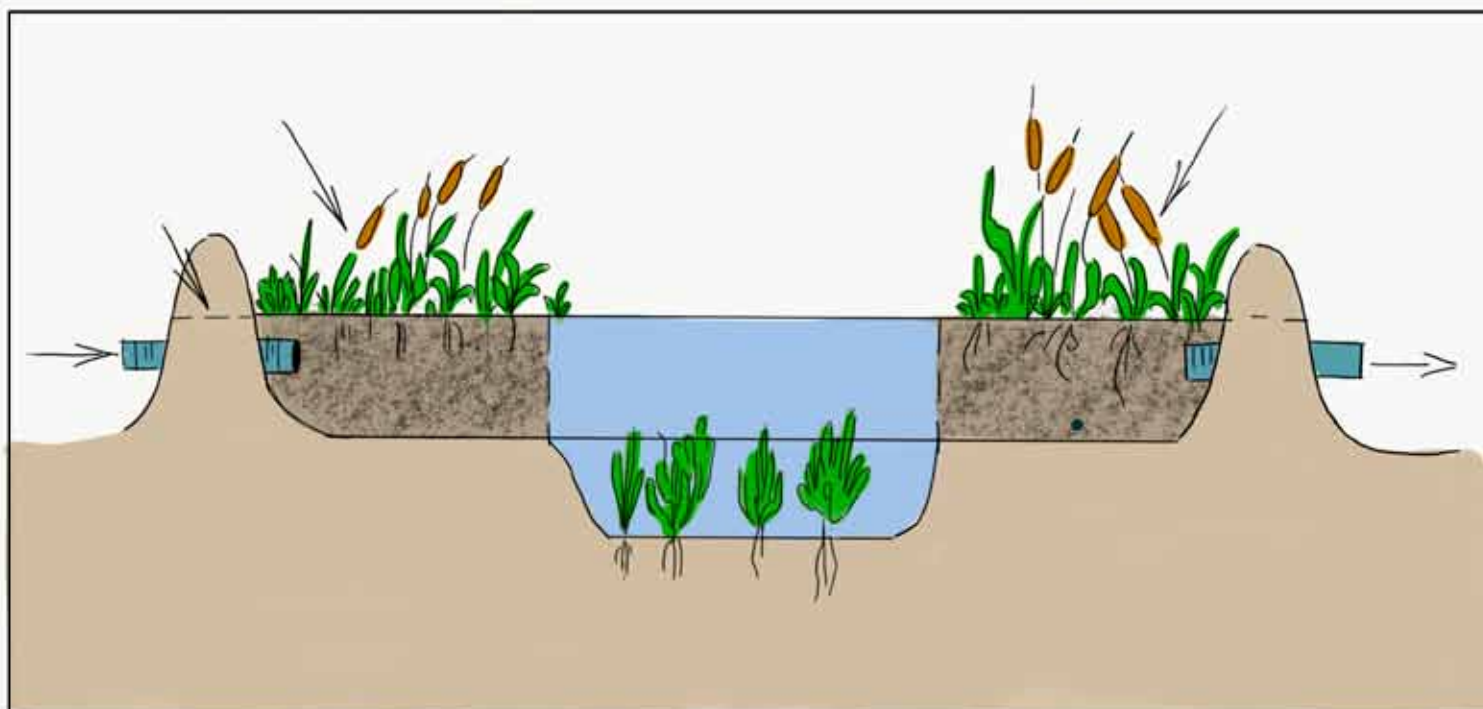


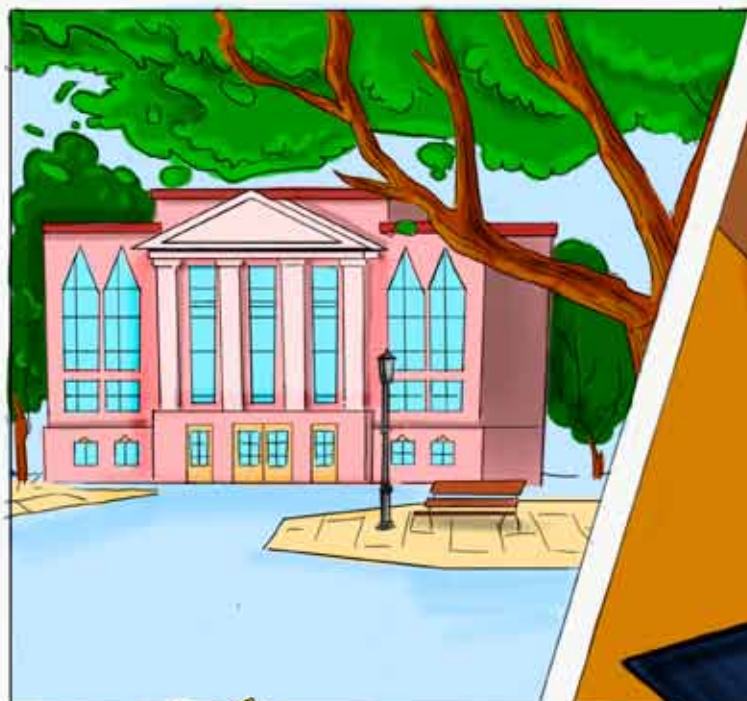
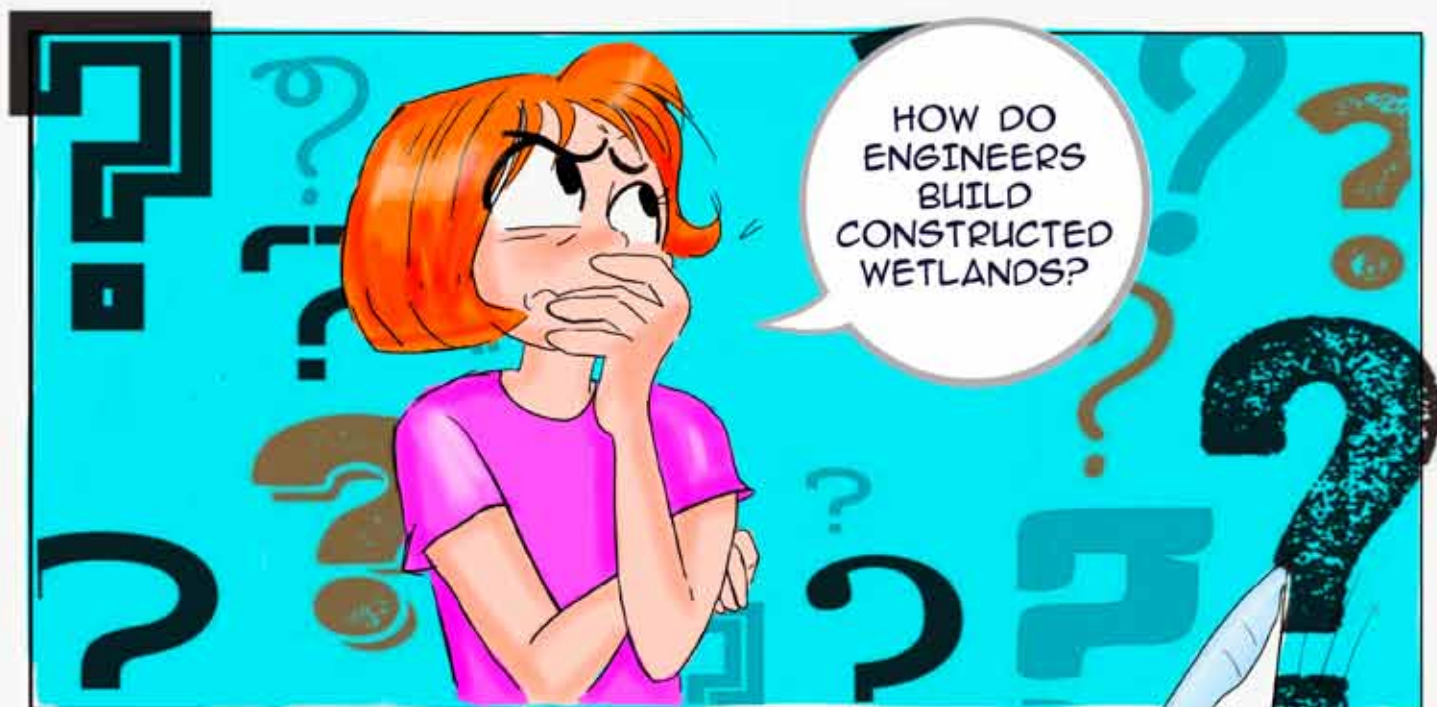


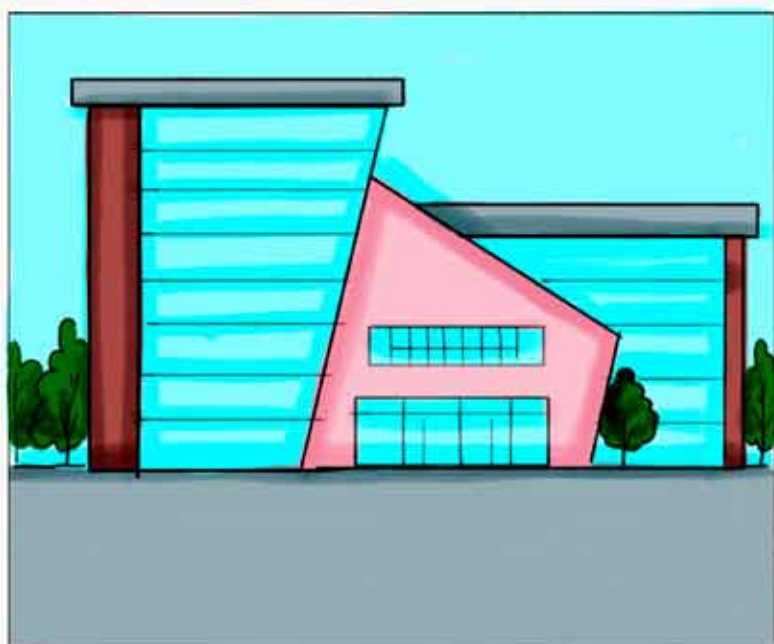
OBSERVE
HOW
MOTHER
NATURE
DID IT.



HOW TO
CLEAN THE
POLLUTION?







END



UNDP-GUYANA

2020