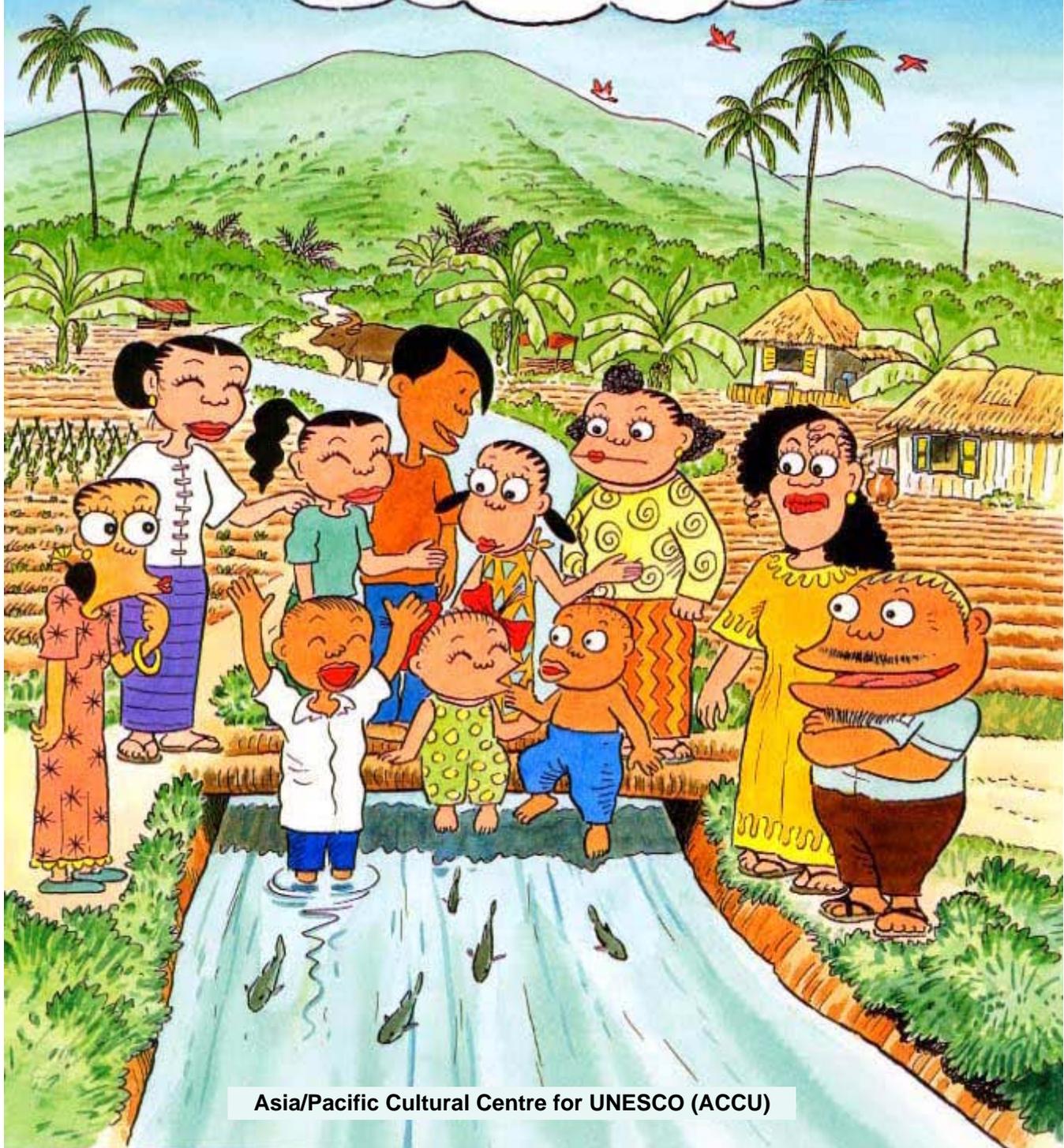


# OUR WATER, OUR LIFE



# Our planet of water



We are all living on this planet, Earth. Do you see the blue part? That's all water. See, almost  $\frac{3}{4}$  of our planet is covered by water. That is why Earth is often called "the planet of water."

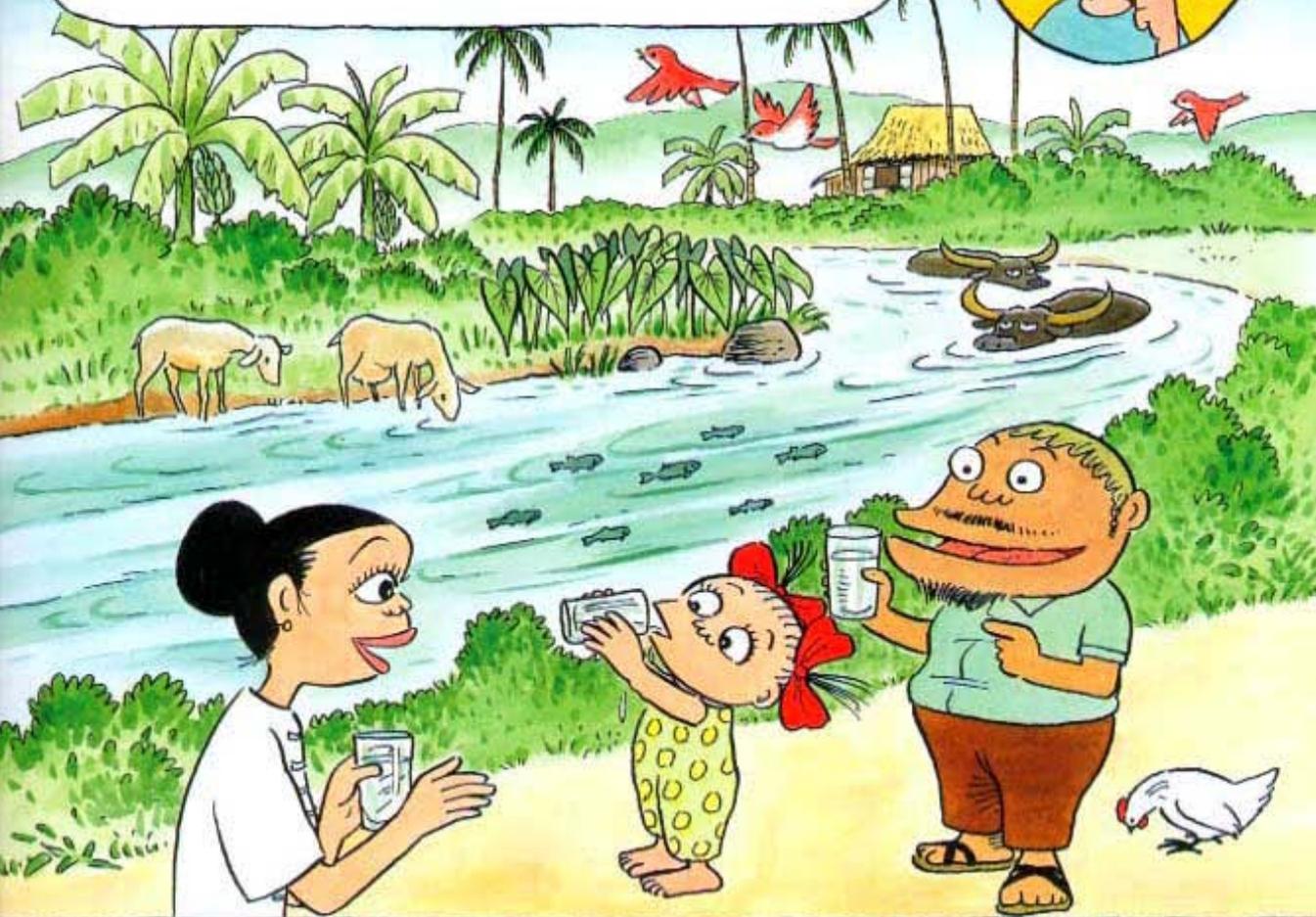


But 98% of water is sea water and it's too salty for us to use. Moreover, since most of this remaining 2% freshwater is ice, less than 0.3% of water on Earth is directly available to us. But our precious water is getting dirty. Now, let's see how much our life depends on water and how we can keep our water clean and safe.

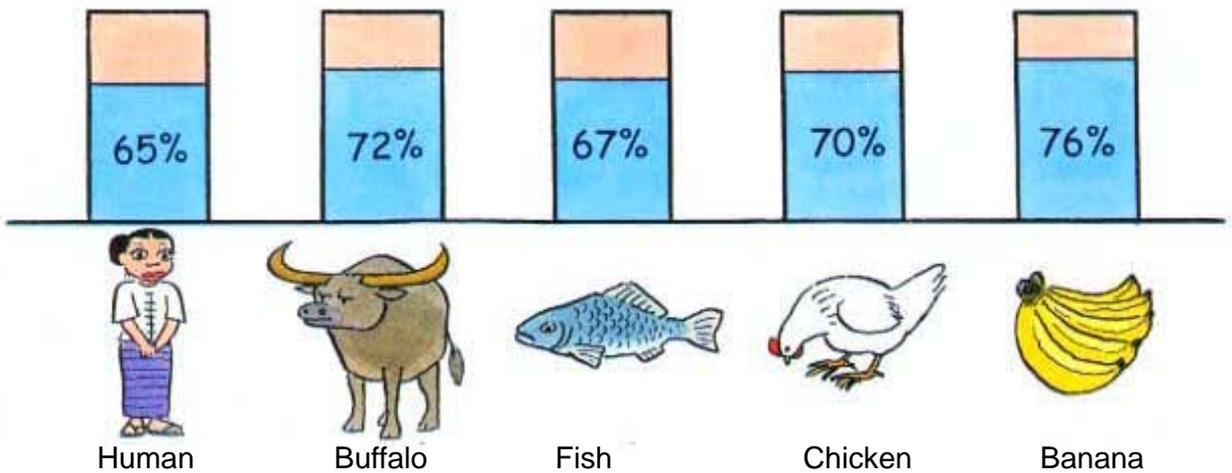


# Water - part of us -

Human beings, animals and plants, all living creatures on Earth need water to live and grow. We all take water. Do you know that around 65% of our body is made out of water?



How much water is in our body?



# Water - Essential to our daily life -



Water is essential to our daily life in many ways. This is our village. Let's see what we are doing....



Jai is farming.



Leela is watering the vegetable garden.



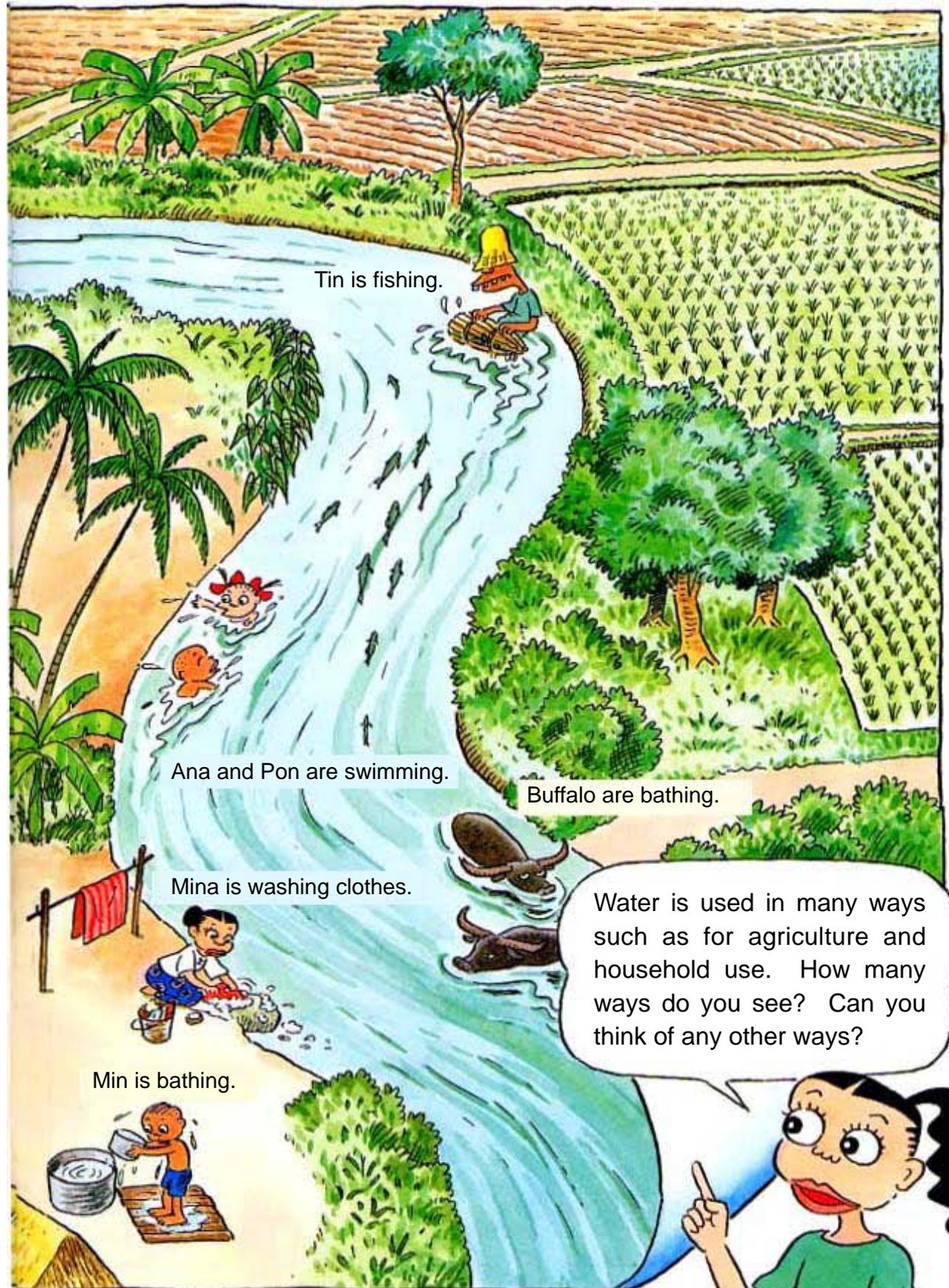
Lin is drawing water.



Jai's father is drinking boiled water.



Lita is fetching water.



Tin is fishing.

Ana and Pon are swimming.

Buffalo are bathing.

Mina is washing clothes.

Min is bathing.

Water is used in many ways such as for agriculture and household use. How many ways do you see? Can you think of any other ways?



# What's making water dirty?

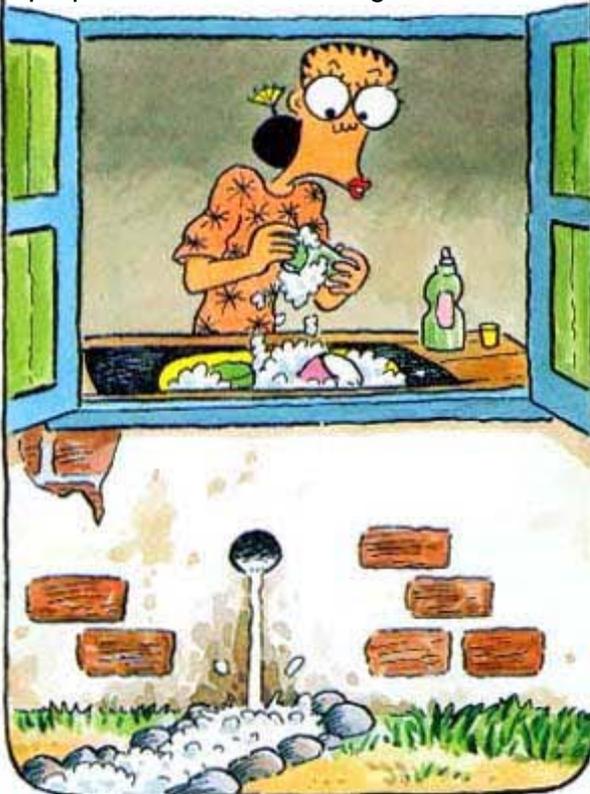
We saw how much we depend on water in our daily life. On the other hand, we unconsciously cause a lot of damage to the water every day. The amount of pollutants each person puts in the water may be small. Yet if everyone does the same, every day, soon there will be no clean safe water left.



Here are some examples of water pollution. Let's see how our precious water becomes dirtier every day.



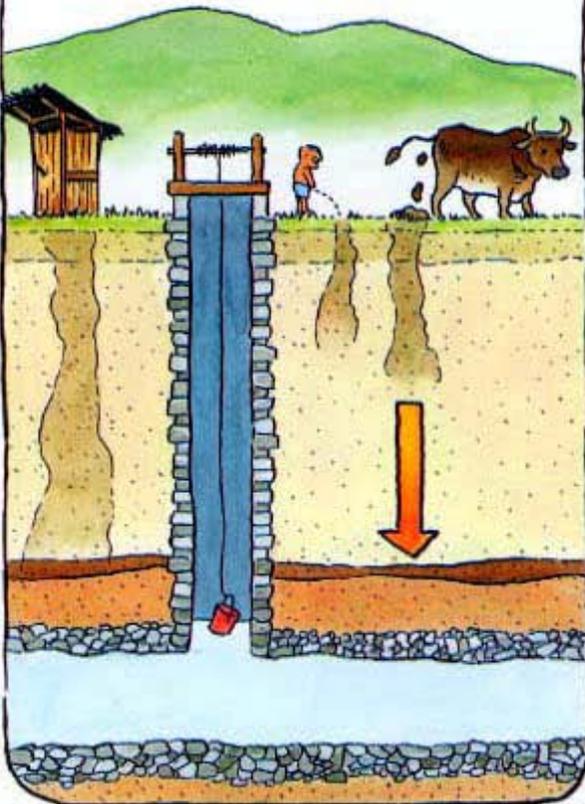
Using chemical detergent and not having proper waste water management



Throwing garbage into the river



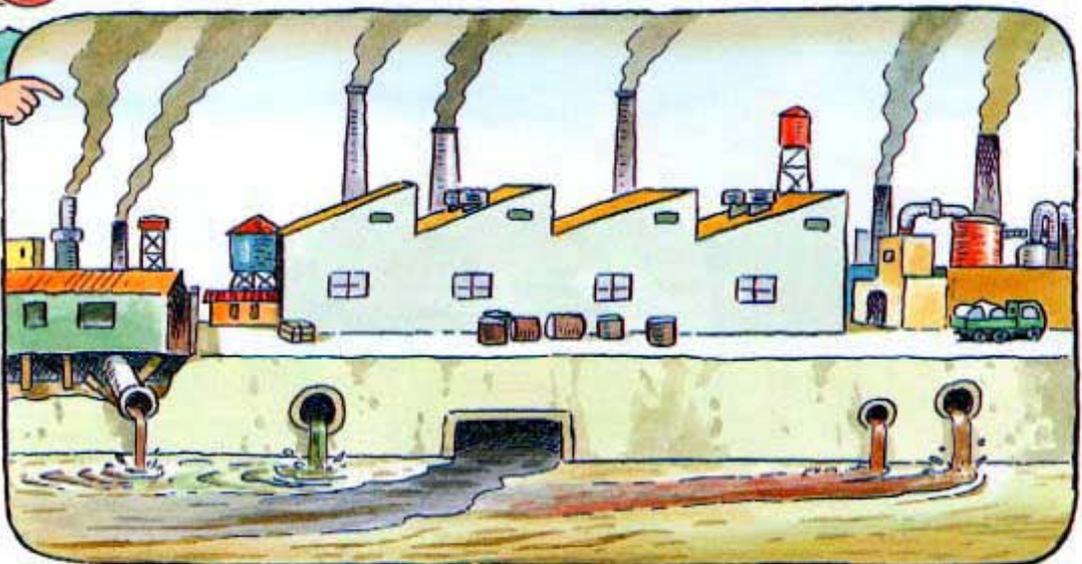
Human and animal wastes near the well



Spraying chemical pesticides



Besides all this, factories put a lot of pollutants into the river and oceans.

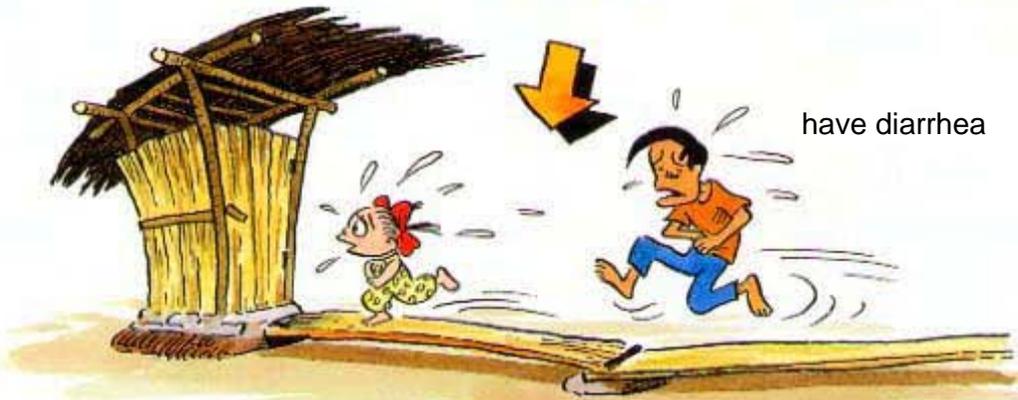
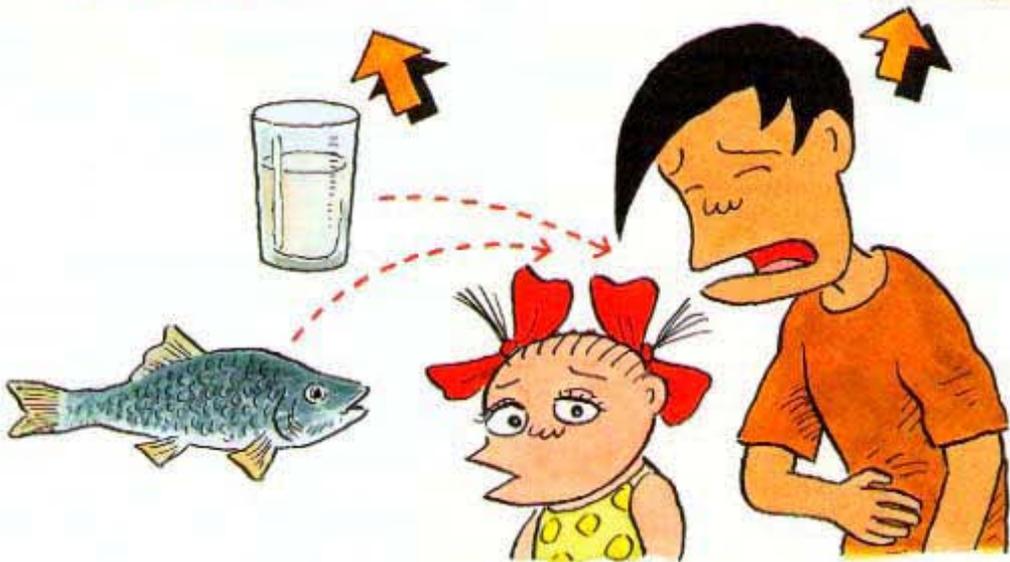
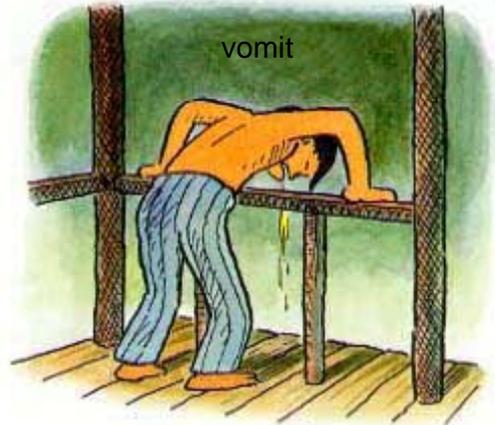


# Polluted water causes trouble.



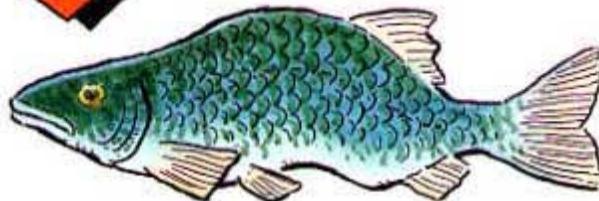
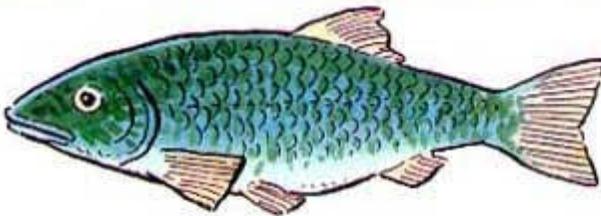
As a result of water pollution, we face many problems. Let's see what kind of problems there might be...

When we drink polluted water, and/or eat fish from polluted rivers, we may...





River water will be spoiled and fish will die.



Fish and other creatures will be deformed because of chemicals.

Dirty water could cause many problems for every living creature. We have to prevent water pollution and keep our water clean and safe.



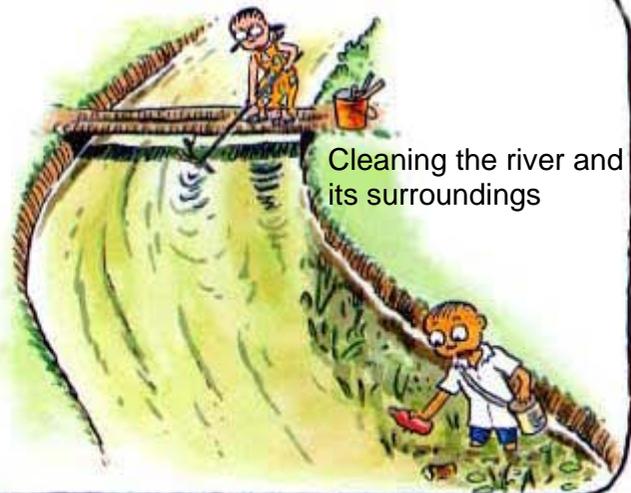
# What to do to keep our water clean and safe

Putting garbage into a bin and separating it into organic and other garbage.

Keep our village clean  
Put the garbage here.



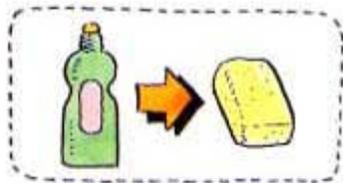
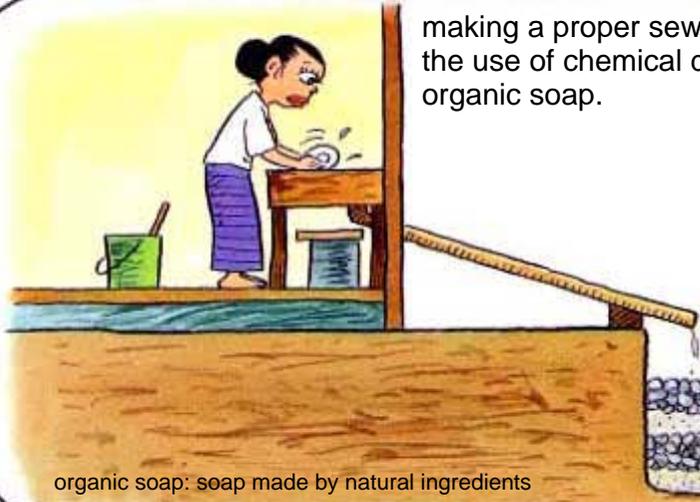
Cleaning the river and its surroundings



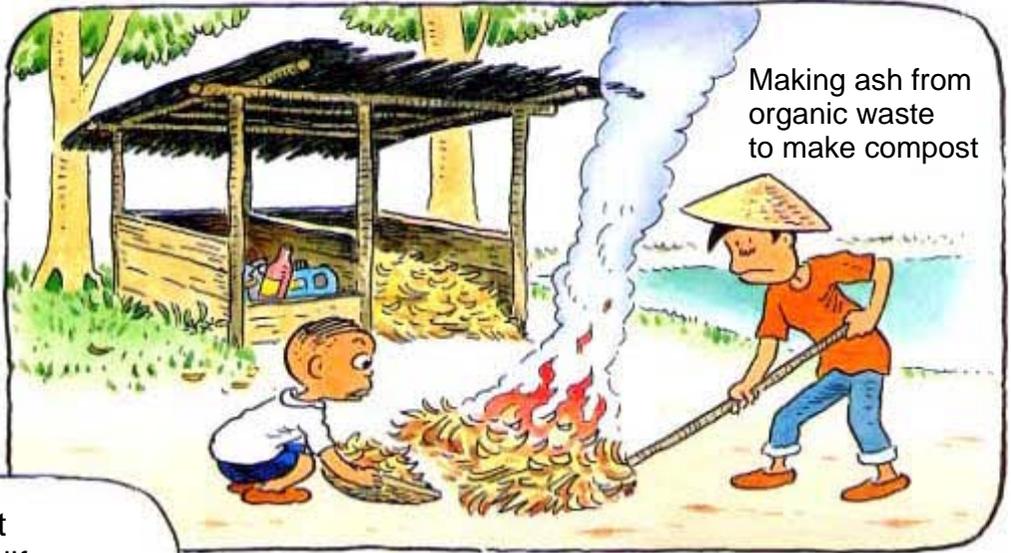
Keeping garbage dump and toilet away from the water source



making a proper sewage system and reducing the use of chemical detergent by switching to organic soap.



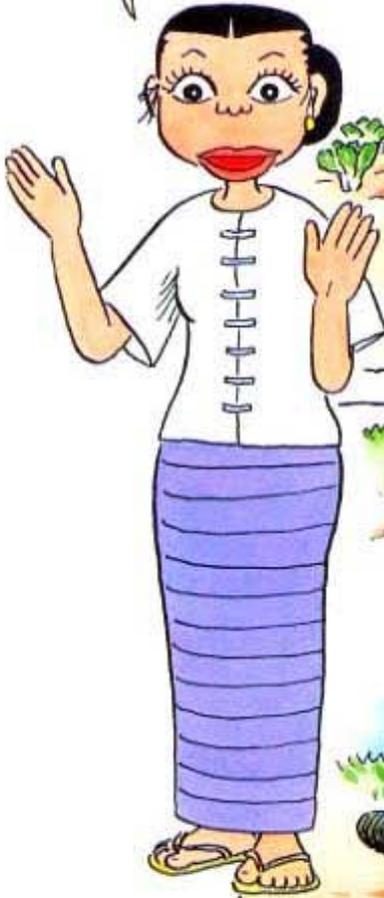
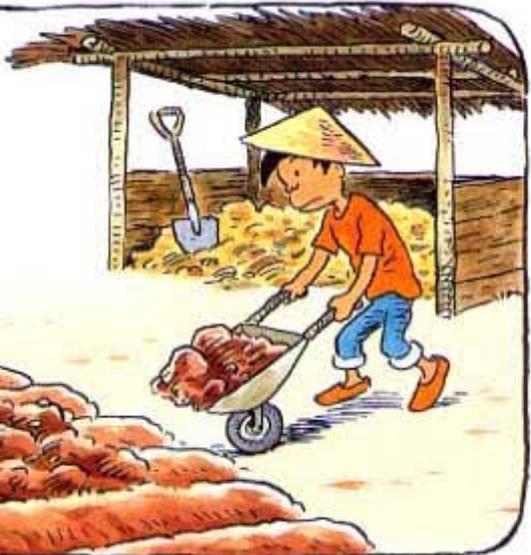
organic soap: soap made by natural ingredients



Making ash from organic waste to make compost

A little effort in our daily life can keep our water safe and clean. Let's start by...

Practicing organic farming and using fewer agricultural chemicals



planting trees on the river bank to prevent soil from being washed away

# Water Cycle

The river in our village flows into the sea, and the water in the sea evaporates and forms clouds. The water then becomes rain and comes back to us as river and ground water.

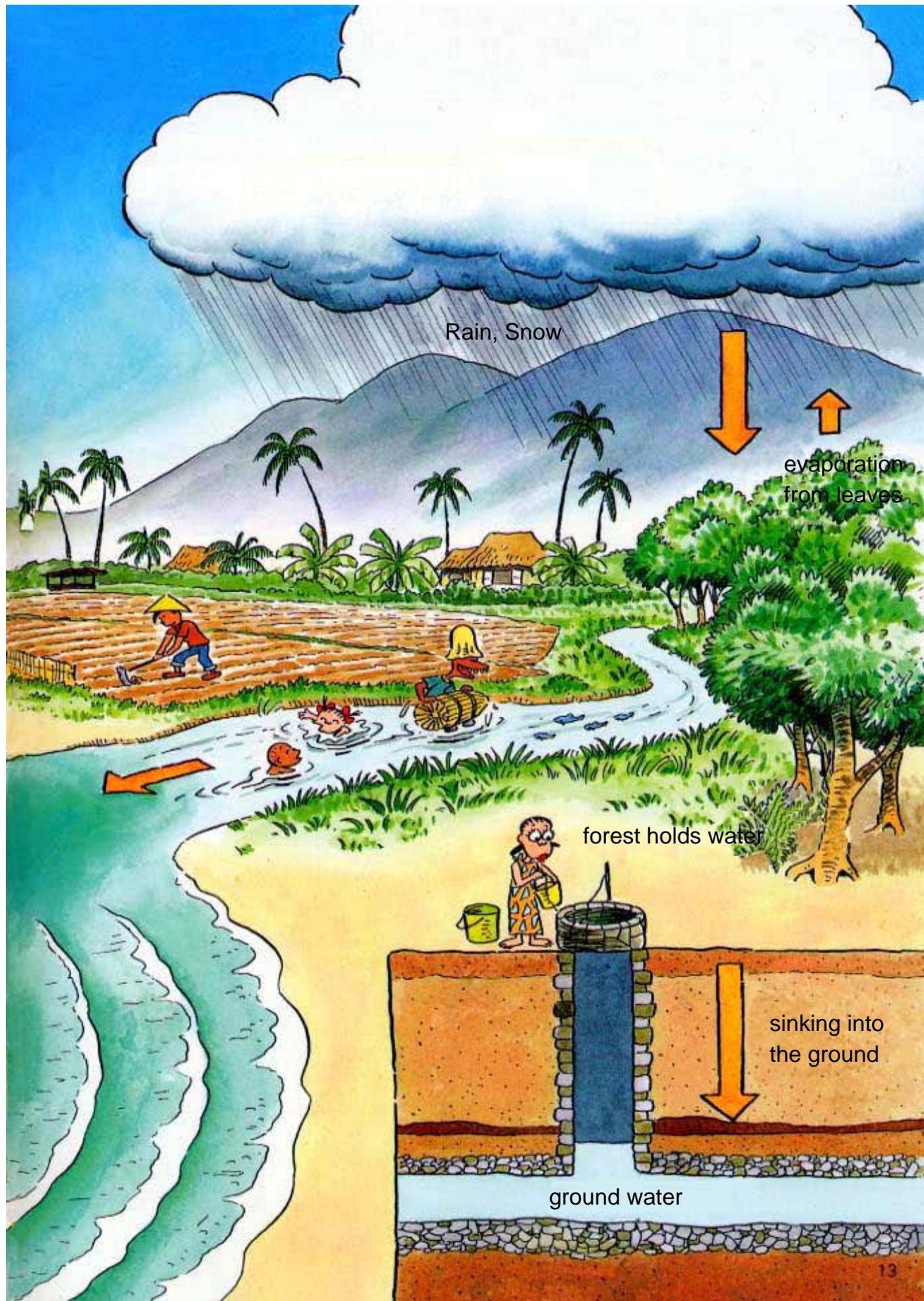


Forming clouds

Evaporation

Water cycles on our planet...

How we take care of water in one village will affect the next village, town and ocean. Everything is connected...



Rain, Snow

evaporation  
from leaves

forest holds water

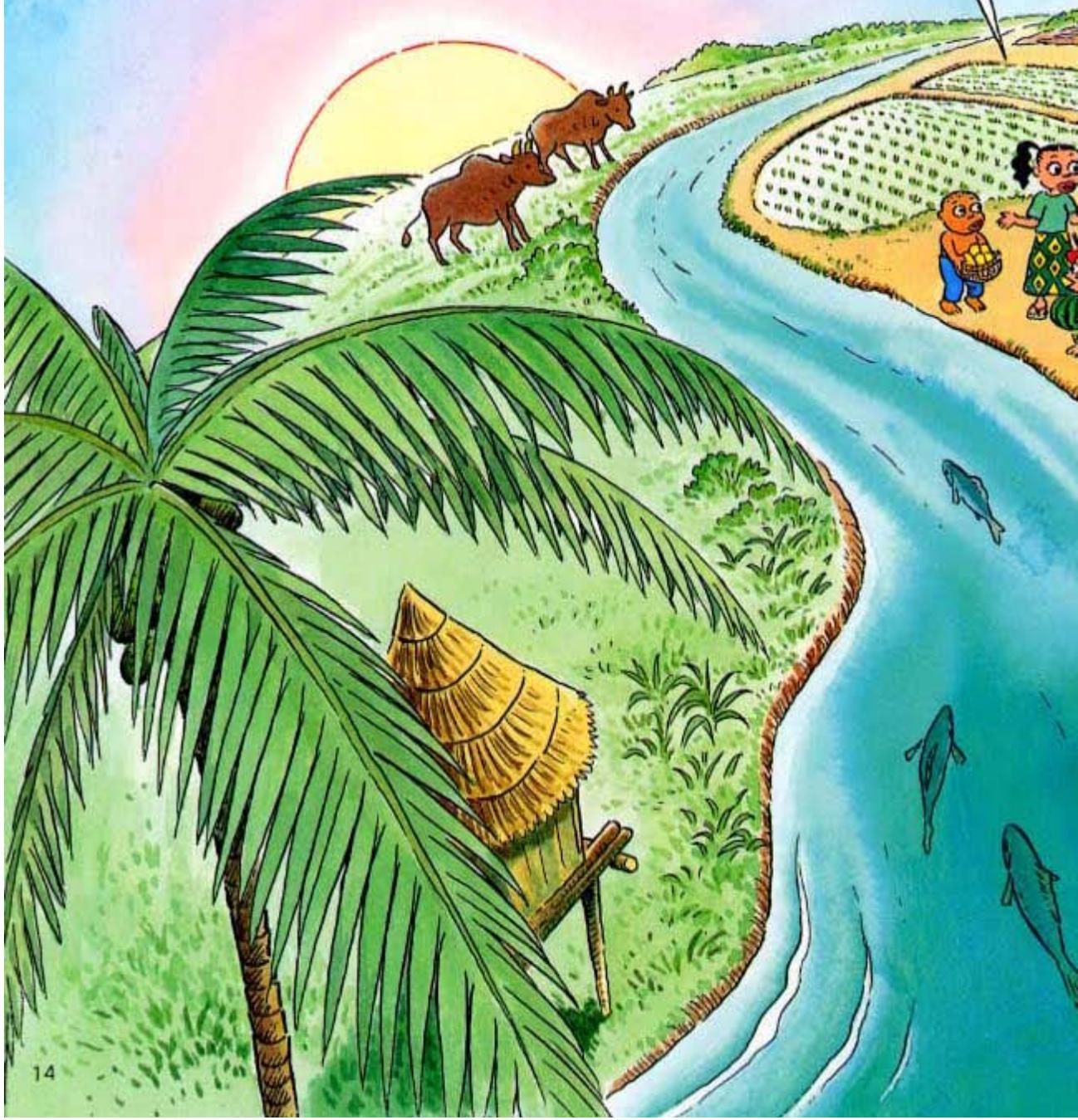
sinking into  
the ground

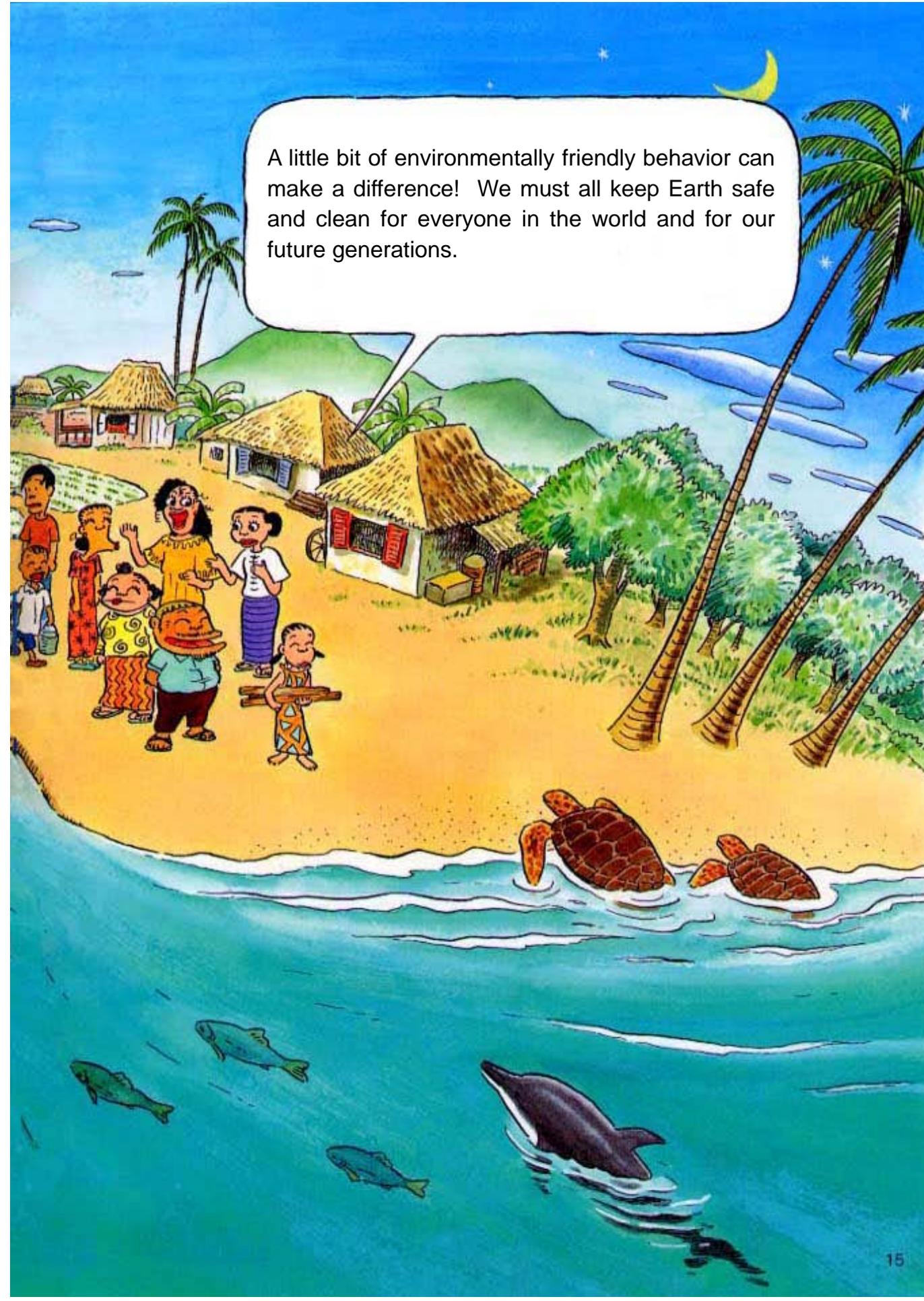
ground water

# IT'S OUR ONLY PLANET!

Water goes around the world, across borders,  
through generations.

Now you know that water is essential for everyone. We are sharing this precious water with all life on Earth. So we have to share the responsibility of keeping the water clean.





A little bit of environmentally friendly behavior can make a difference! We must all keep Earth safe and clean for everyone in the world and for our future generations.

## Things to Remember to Keep Our Water Clean and Safe

1. Do NOT throw garbage in the river.
2. Keep garbage dump and toilet away from the water source.
3. Separate organic garbage from other garbage.
4. Compost human, animal, and vegetable waste.
5. Avoid using chemical pesticide and fertilizers as much as possible and practice composting.
6. Reduce the amount of soap and detergents when washing dishes and clothes and switch to organic soap.
7. Plant trees on the mountain and by the river bank.



### Guide for Utilization

#### Target:

- (1) Neo-literate adults in Non-Formal Education
- (2) Formal education school and out-of-school children (grade 4 to 8)

#### Objective:

- (1) To raise awareness of importance of water environment.
- (2) To introduce water pollution and its possible effects.
- (3) To reduce water pollution by suggesting methods of preventing pollution.
- (4) To raise awareness of importance of environment and that people are part of nature.

#### Application:

1. Before distributing the booklet, discuss informally how water is used in daily life, what learners know about water, where and how they get water.
2. Go around the neighborhood and try to identify many forms of water (rain, dew, fog, ice, liquid, vapor, etc.), then try to find the sources of water.
3. Distribute this booklet to learners and ask them to read through it.
4. Start the discussion about water environment in their village and see whether their water is polluted.
5. Discuss cause and effect of water pollution.
6. The instructor may take learners to a nearby river or other kinds of water source to observe what are in the river and discuss possible effects on the water quality.
7. Then, discuss possible actions learners can take to prevent such pollution.
8. If the river is dirty, the learners should start cleaning.

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