

# The worldwide Adventures of Droppy

**BGR**

BMZ



Federal Ministry  
for Economic Cooperation  
and Development



## Imprint

Original [Las aventuras de Ytyky](#)

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Story:

Dr. Georg Houben, PAS-PY project

Illustrations:

Amado Escobar, Paraguay

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Bundesanstalt für Geowissenschaften und Rohstoffe  
Stilleweg 2  
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[www.bgr.bund.de](http://www.bgr.bund.de)

Editorial office:

Dr. Thomas Schubert, Sylvia Sörgel, Vanessa Vaessen, Dr. Georg Houben, Sabine de Vries

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Oliver Sasse, Sylvia Sörgel

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# Characters



## **Droppy**

A drop of water that has a lot of adventures.

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## **Bernard, Ali, Budi , Makwetu**

These boys sometimes cause problems without meaning to. They learn several lessons about water and the environment with their friend Droppy.

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## **Dr. Nature**

He knows a great deal about health and nature. He helps the children to improve the protection of the environment.

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## **Jaya, Asha, Rosa**

These school girls want to know all about nature and how to protect it.

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## **The Farmers**

They produce the food we eat. Droppy helps them to improve their production without compromising water quality .

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## **Faecal Coliforms**

They are very nasty bacteria which make people ill, and which come from the wastewater.

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## **Heavy Metals (Copper, Cadmium and Lead)**

The heavy metal band also makes people ill. They escape from corroded batteries.

# The Adventures

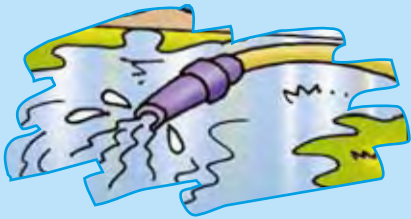
## 1 The Long Trip



Droppy and his water drop friends go on a trip. They travel up to the clouds, fall as rain to help thirsty plants, enter and leave the soil and the aquifer, and experience many more adventures.

Page 4

## 2 Water is Precious



Ali lives in an Arab country. He learns that water is precious and must not be wasted.

Page 12

## 3 The Heavy Metals Escape



In South-East Asia Budi frees the heavy metals, which, together with some drops of oil, pollute the water and make Budi ill. He learns that waste collection and recycling can prevent pollution and illnesses.

Page 16

## 4 Health Starts at Home



Makwetu comes from the Sub-Saharan region. He gets ill by drinking polluted water from a well affected by a nearby cesspit. Dr. Nature explains the importance of a sewer system for health.

Page 21

## 5 Less is More



Droppy goes to the countryside in Eastern Asia to find out where food comes from. He meets some East Asian farmers and helps them to protect water in the rural areas.

Page 25

## 6 A Difficult Word



Rosa from South America has to give a presentation in school on sustainability. Droppy helps her and explains using some examples.

Page 32

## 7 The Protector of Life



Bernard lives in Europe and he does not believe that water is so important. Droppy gets angry and makes all the water disappear. Many people and animals suffer. Bernard learns his lesson, and Droppy makes the water reappear for everyone.

Page 36

## 8 Without rules you cannot play



Asha and Jaya in South Asia want to fetch water but only find an empty well. How is this possible? They learn that the use of water has to be regulated so that there is water for everyone.

Page 42



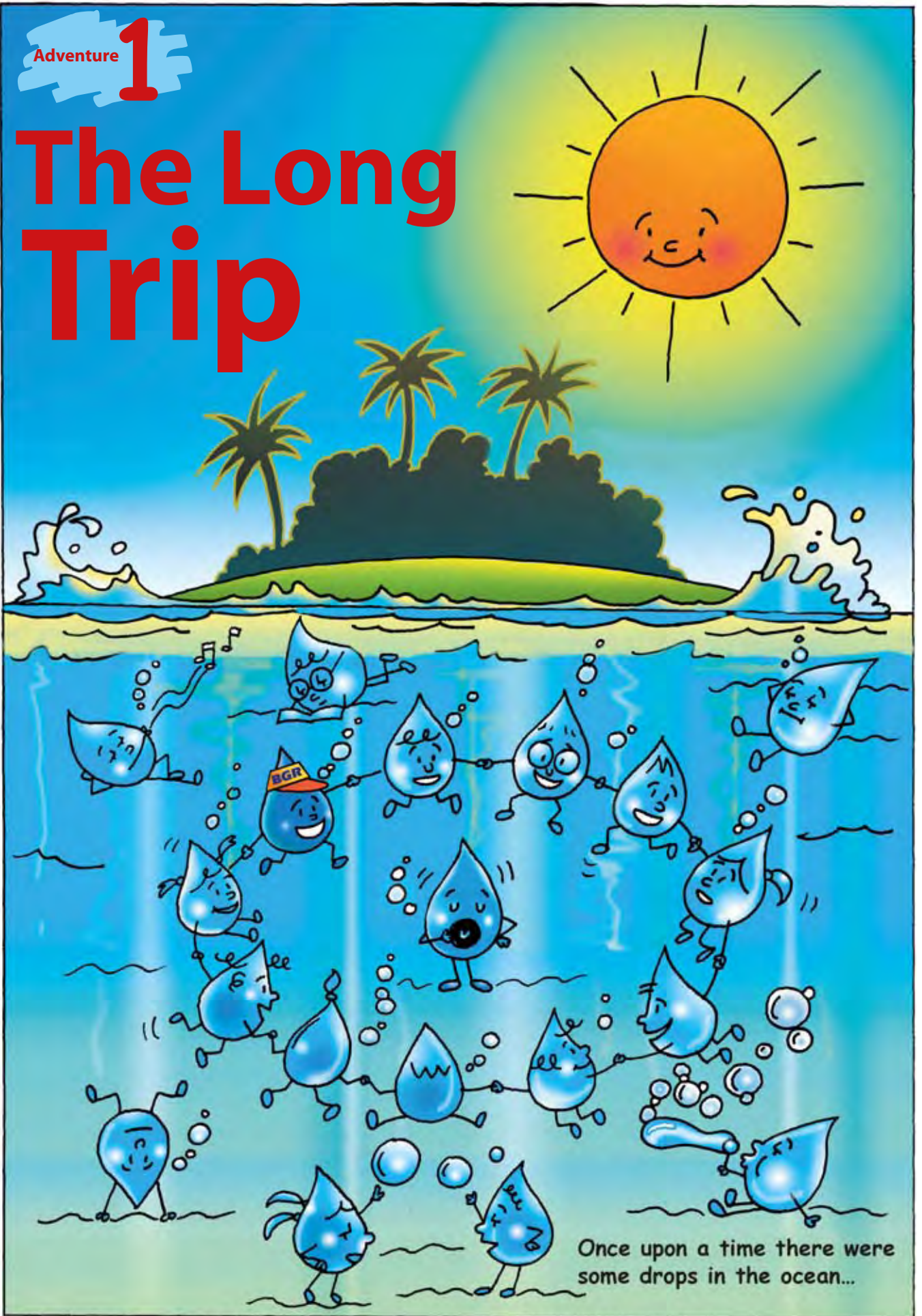
Although these stories are happening in different cultural regions in this comic, these are problems which are happening daily in **many parts of our world**.

We only have one earth and we should **manage our water resources** sustainably, so that in the future we all will have enough.

Adventure

1

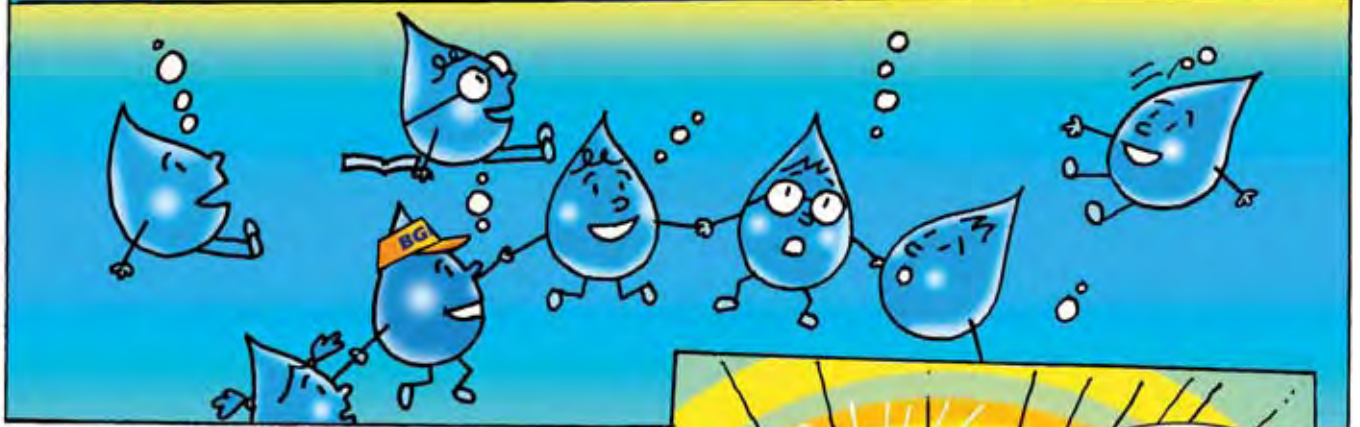
# The Long Trip



Once upon a time there were some drops in the ocean...



Come on everyone,  
let's go on a trip



Yesss, let's go!

Come on!

Humm...

I don't know...

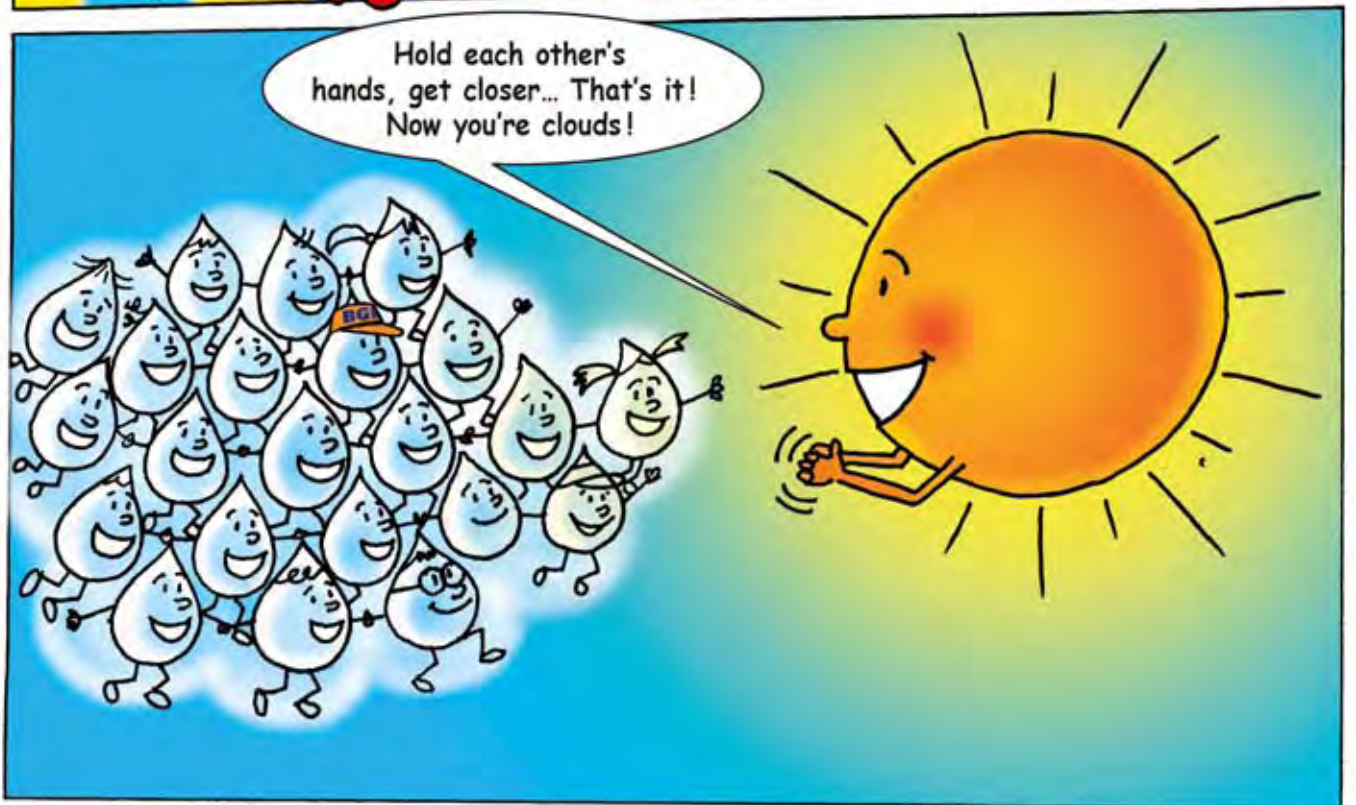
Let's go!



Let's have some fun!

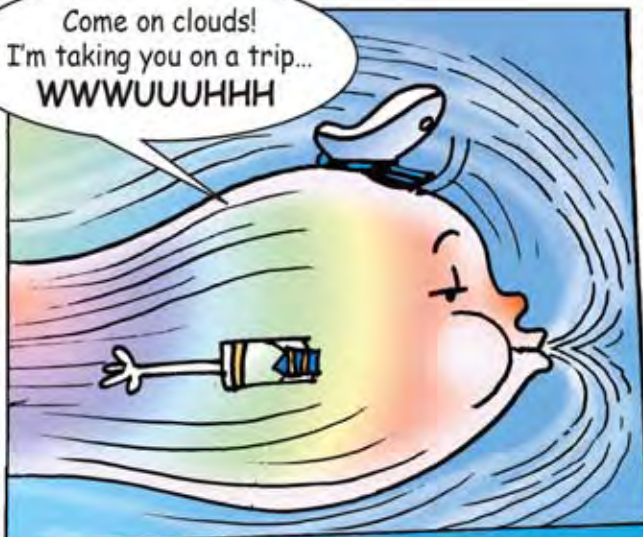
Hey, let's evaporate and rise up to the sky.

Yesss!

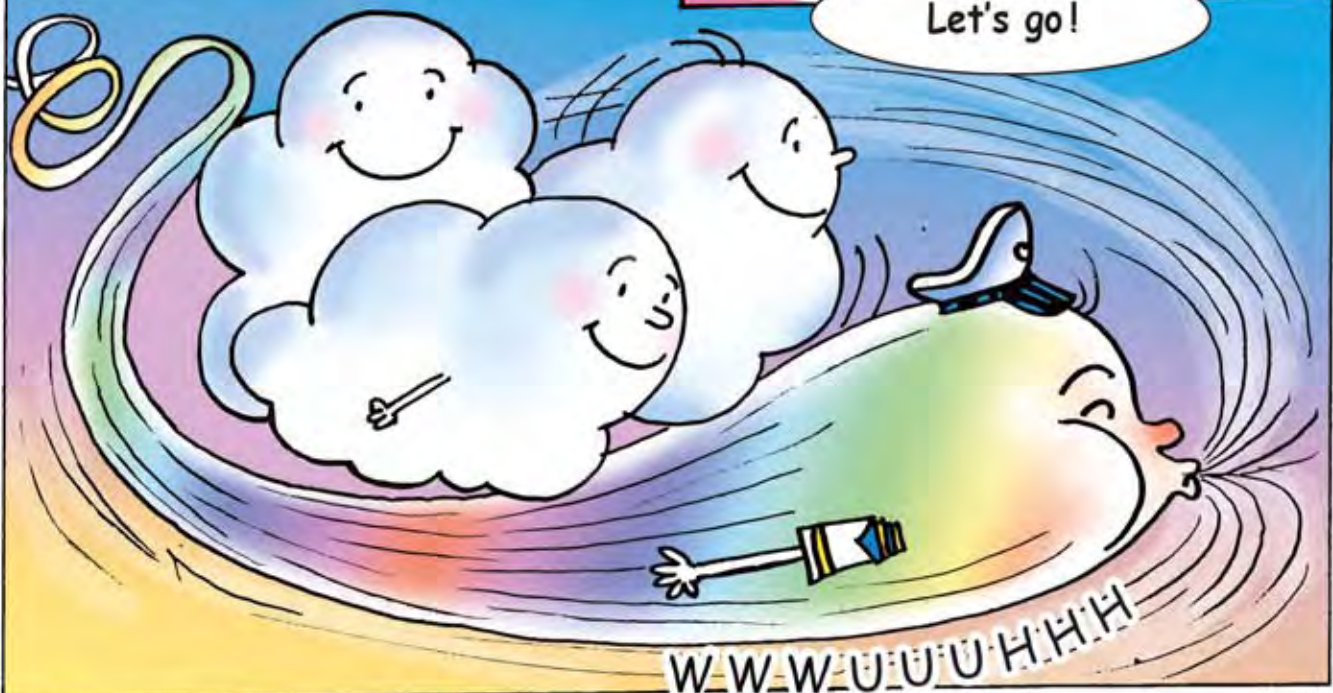




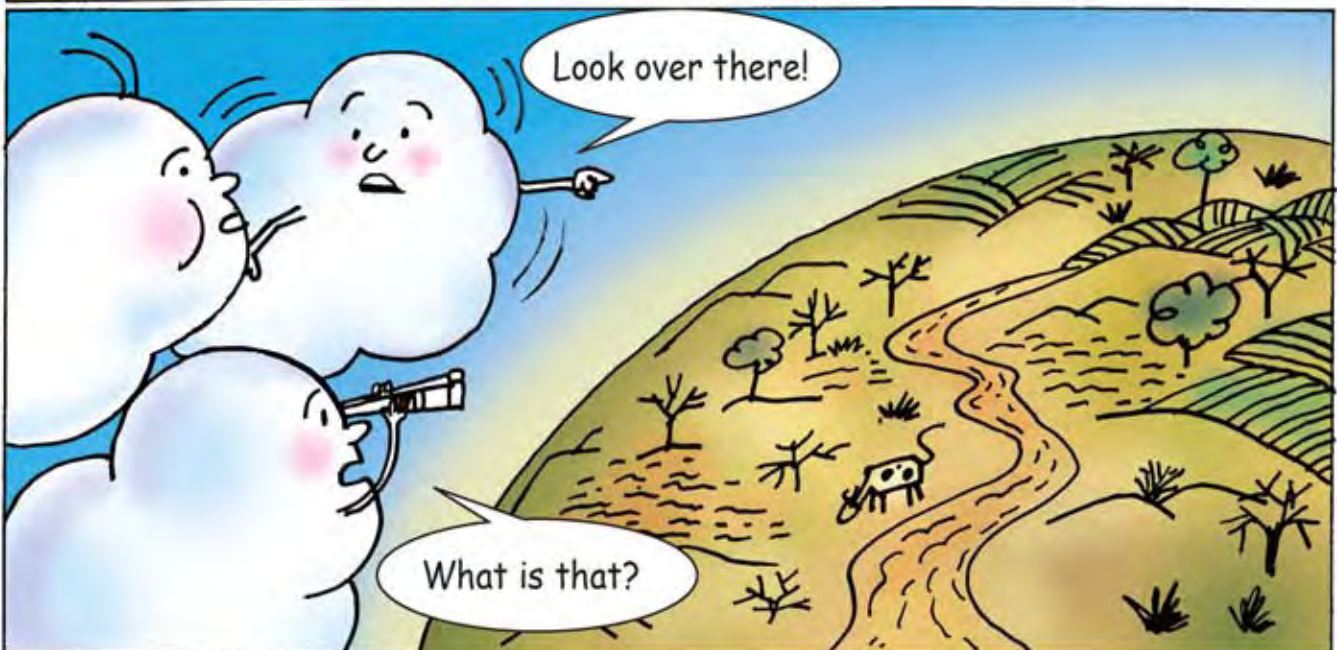
Come on clouds!  
I'm taking you on a trip...  
WWWUUUHHH



Let's go!

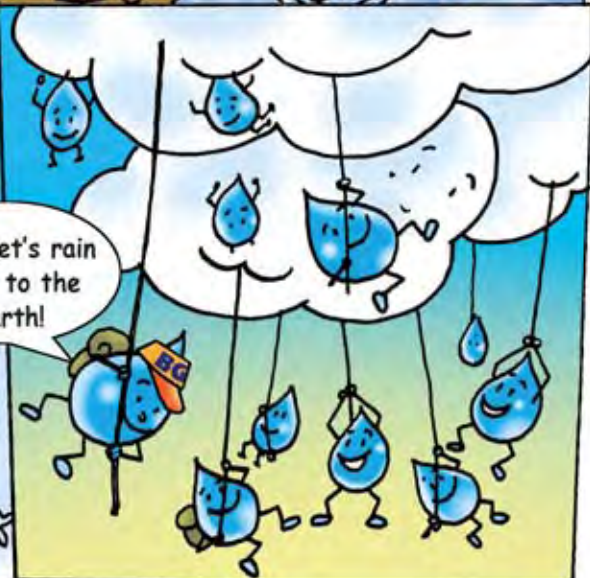
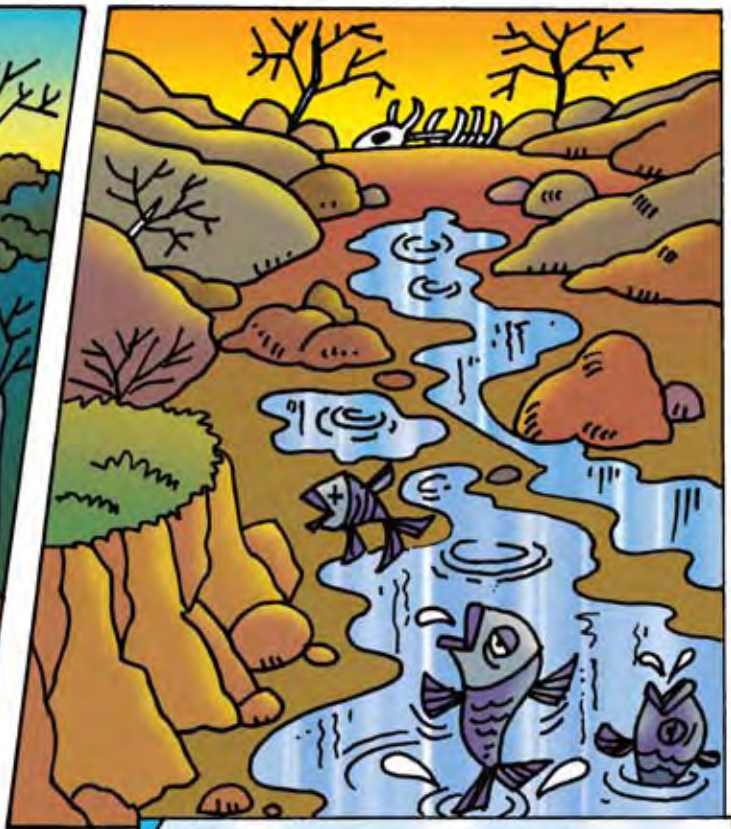
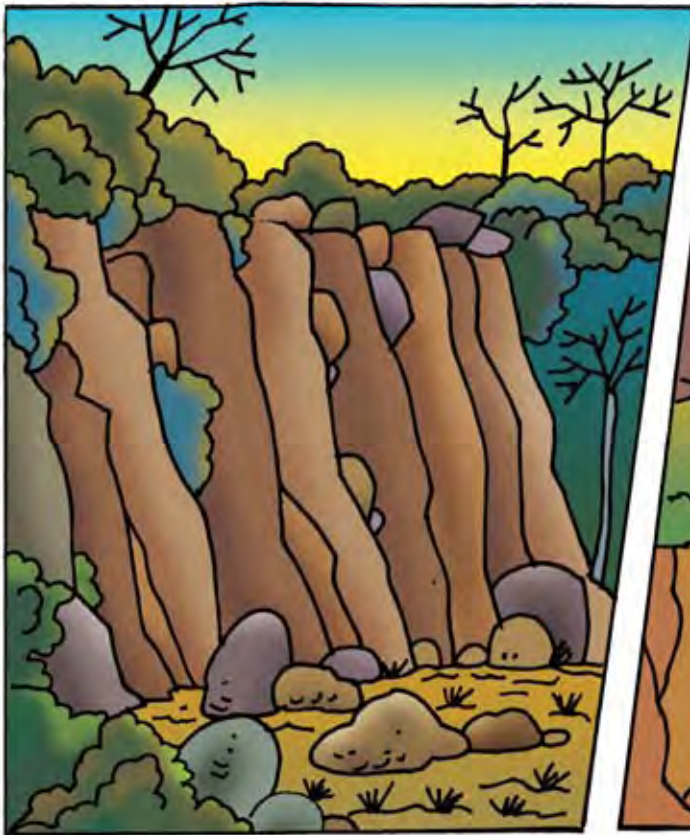
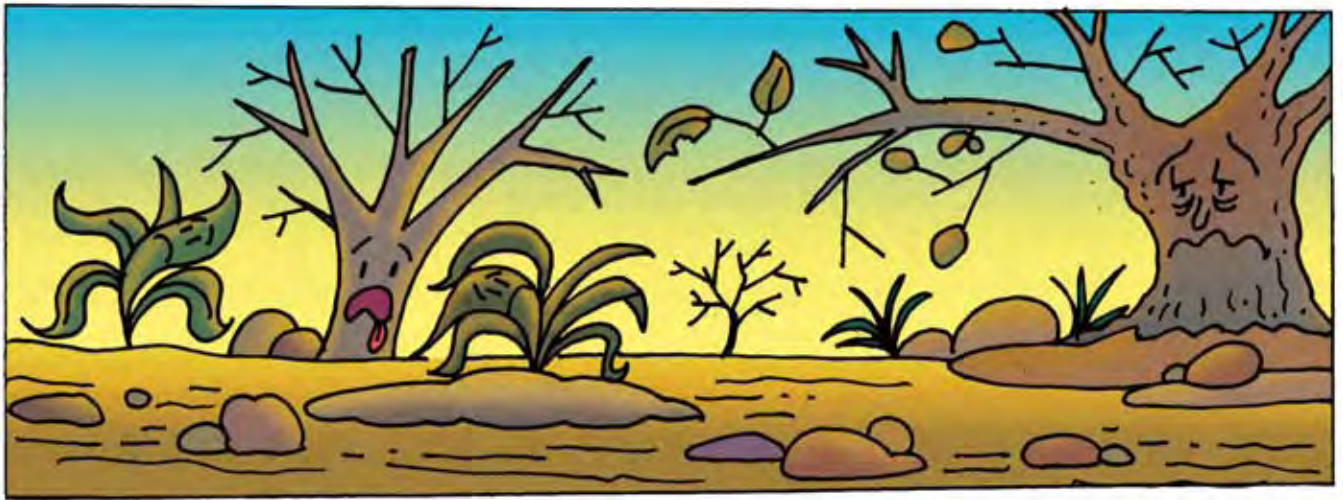


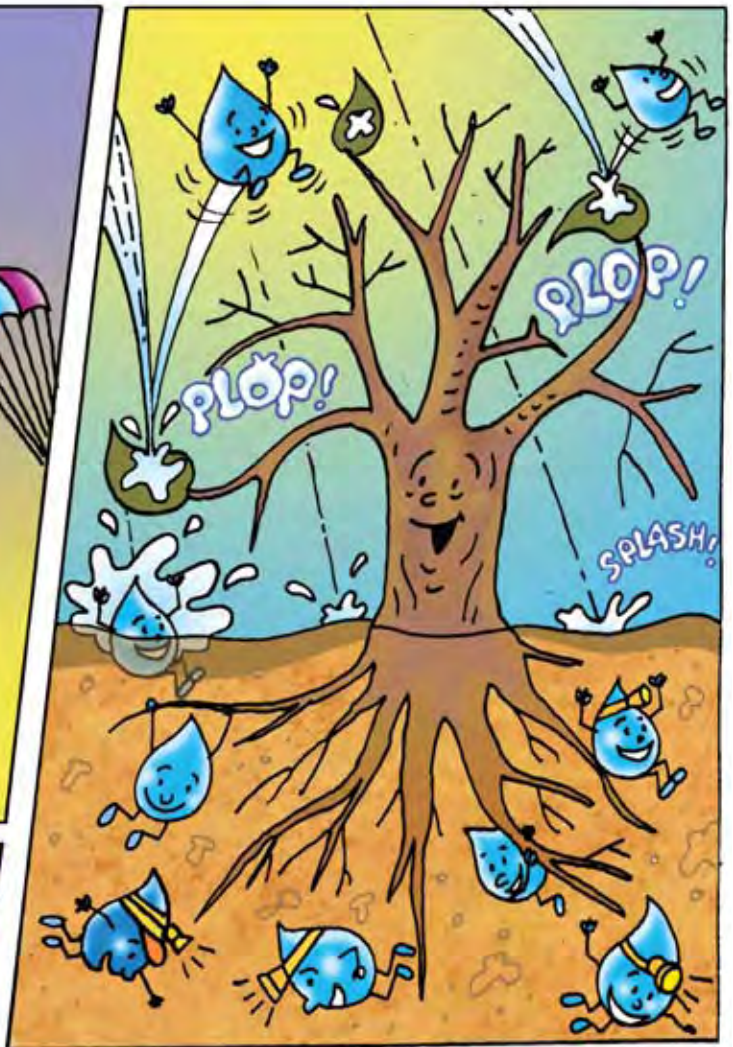
WWWUUUHHH



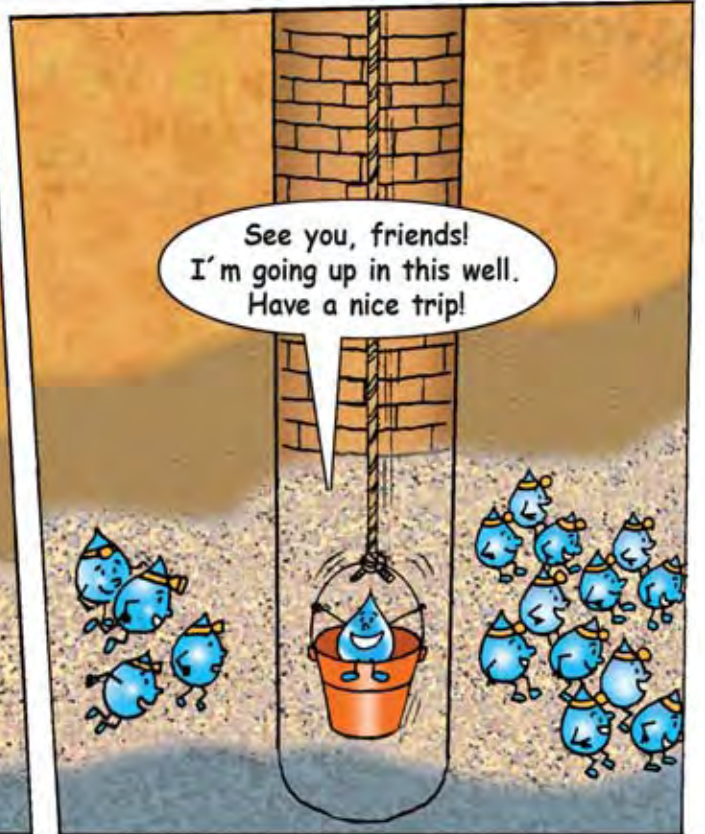
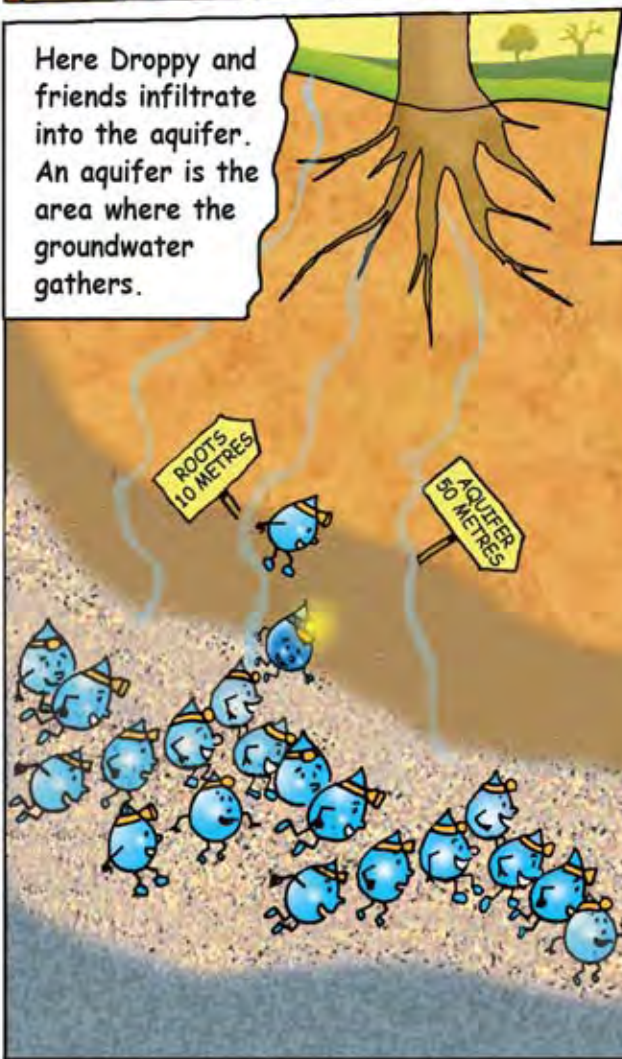
Look over there!

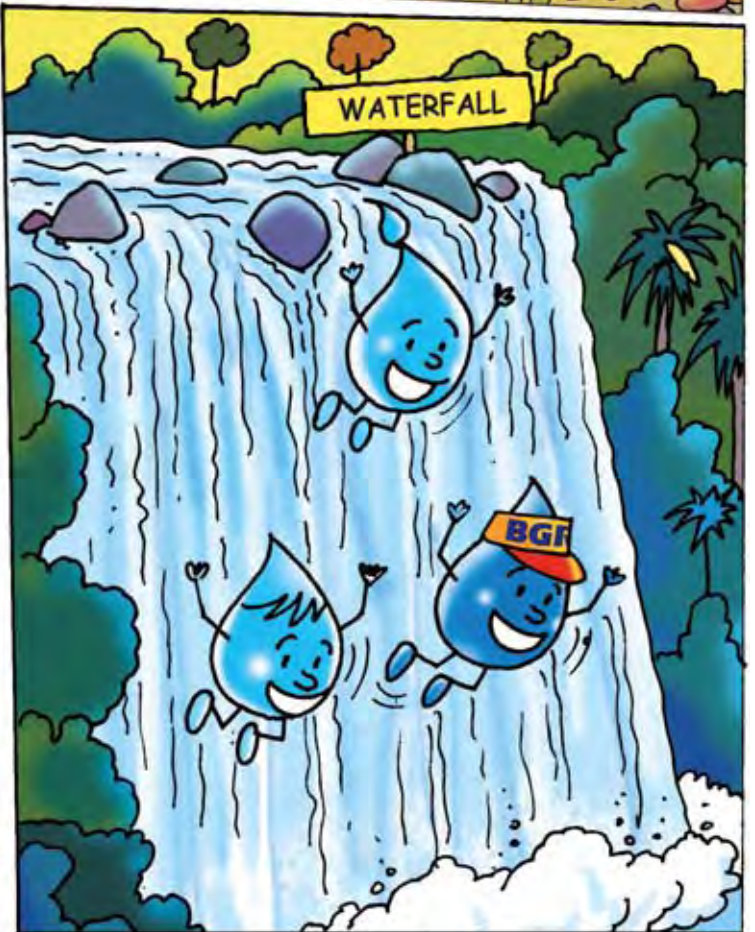
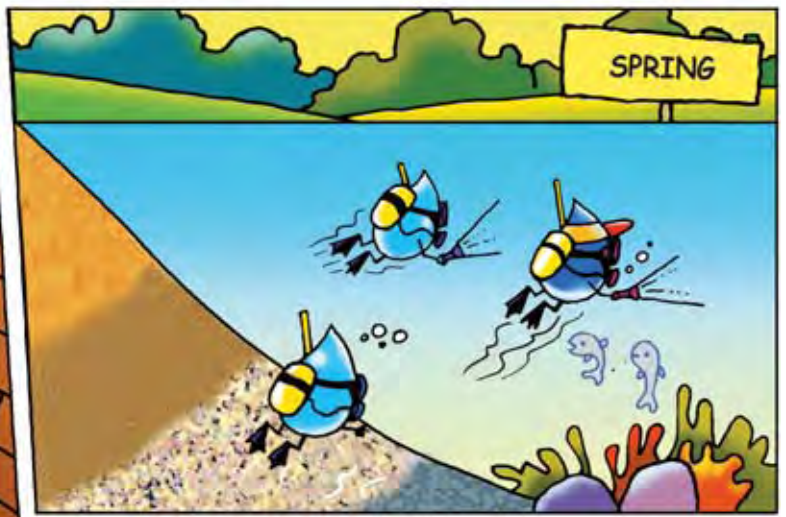
What is that?

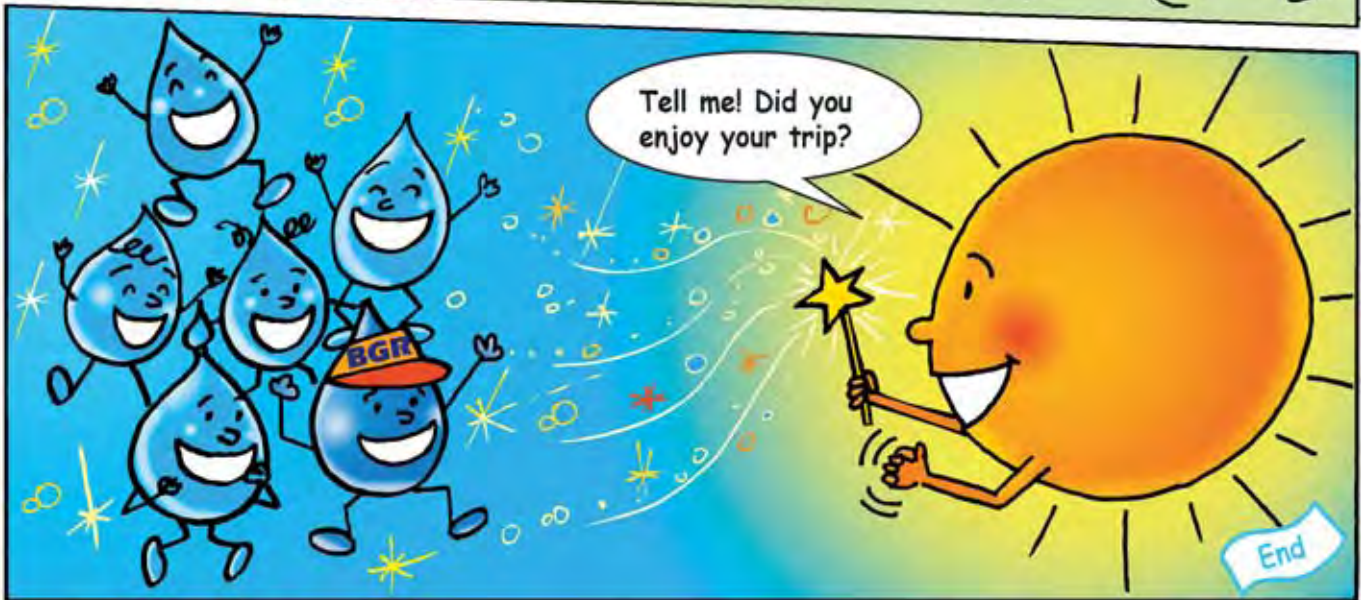
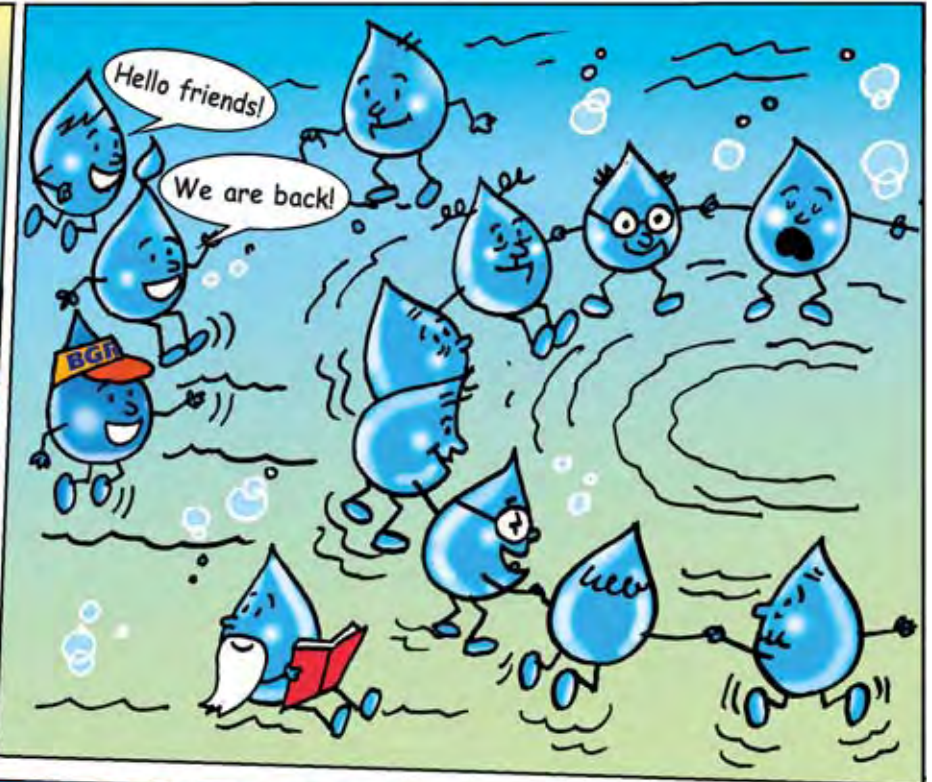
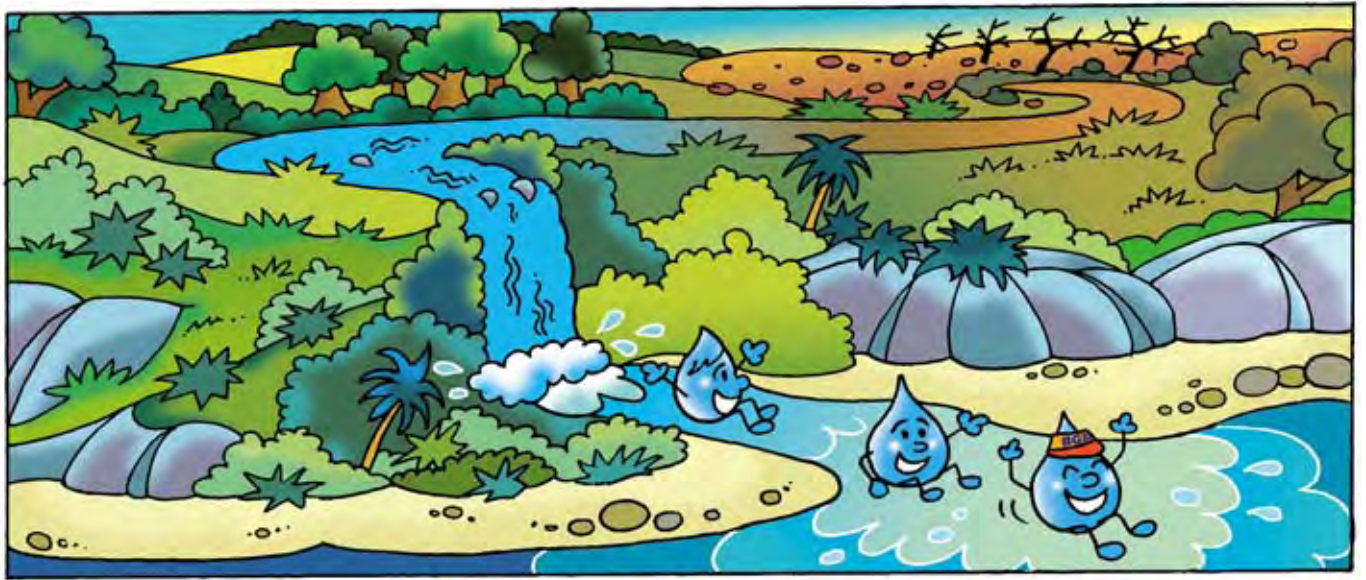




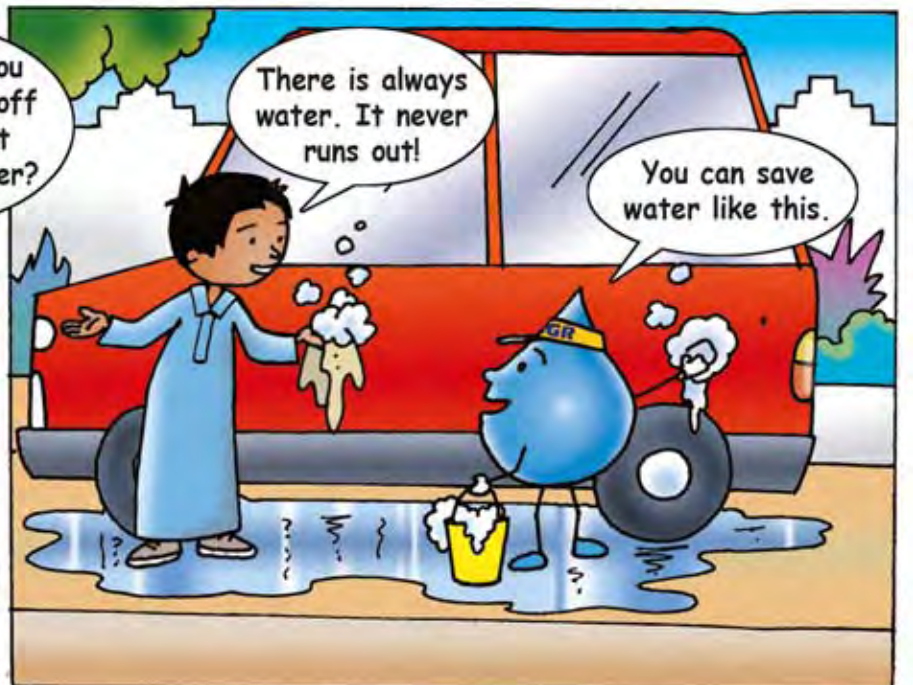
Here Droppy and friends infiltrate into the aquifer. An aquifer is the area where the groundwater gathers.

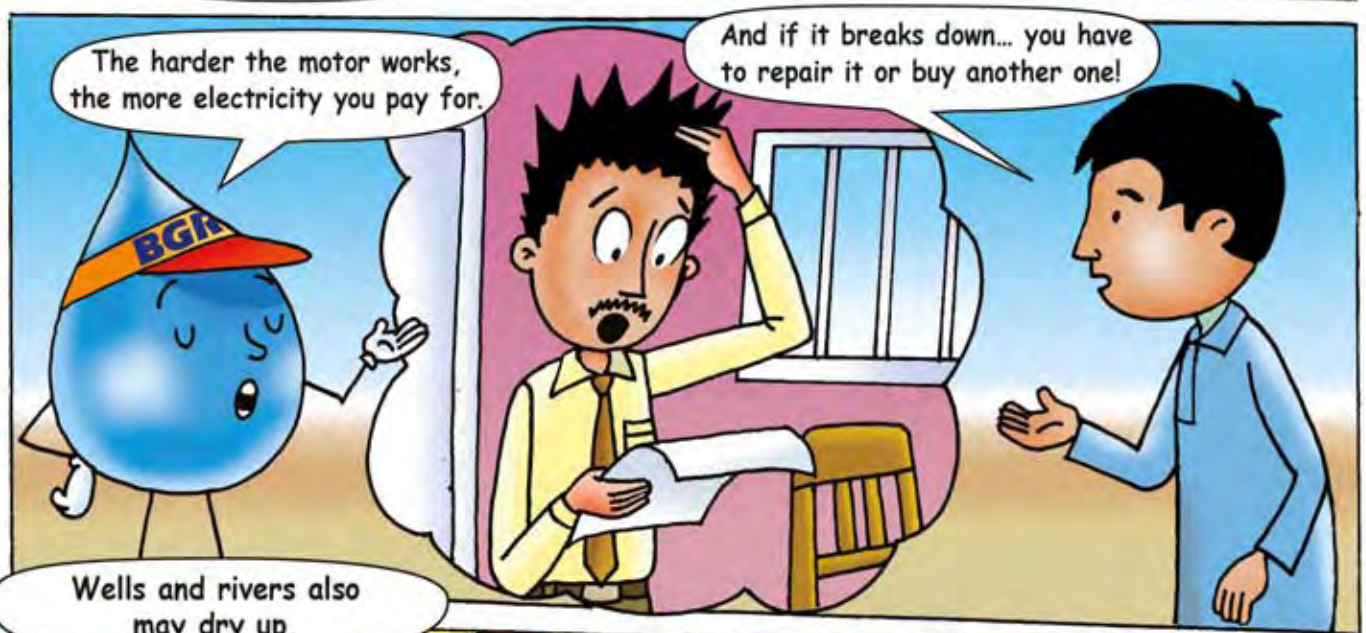
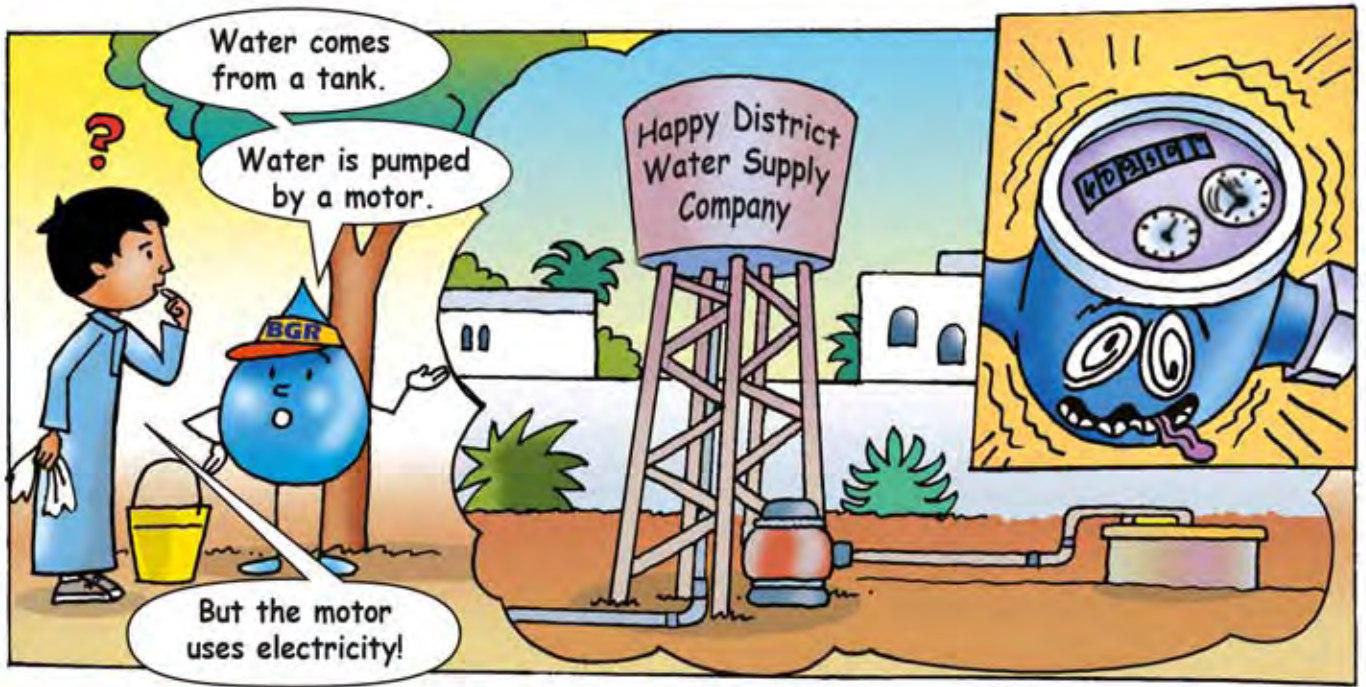


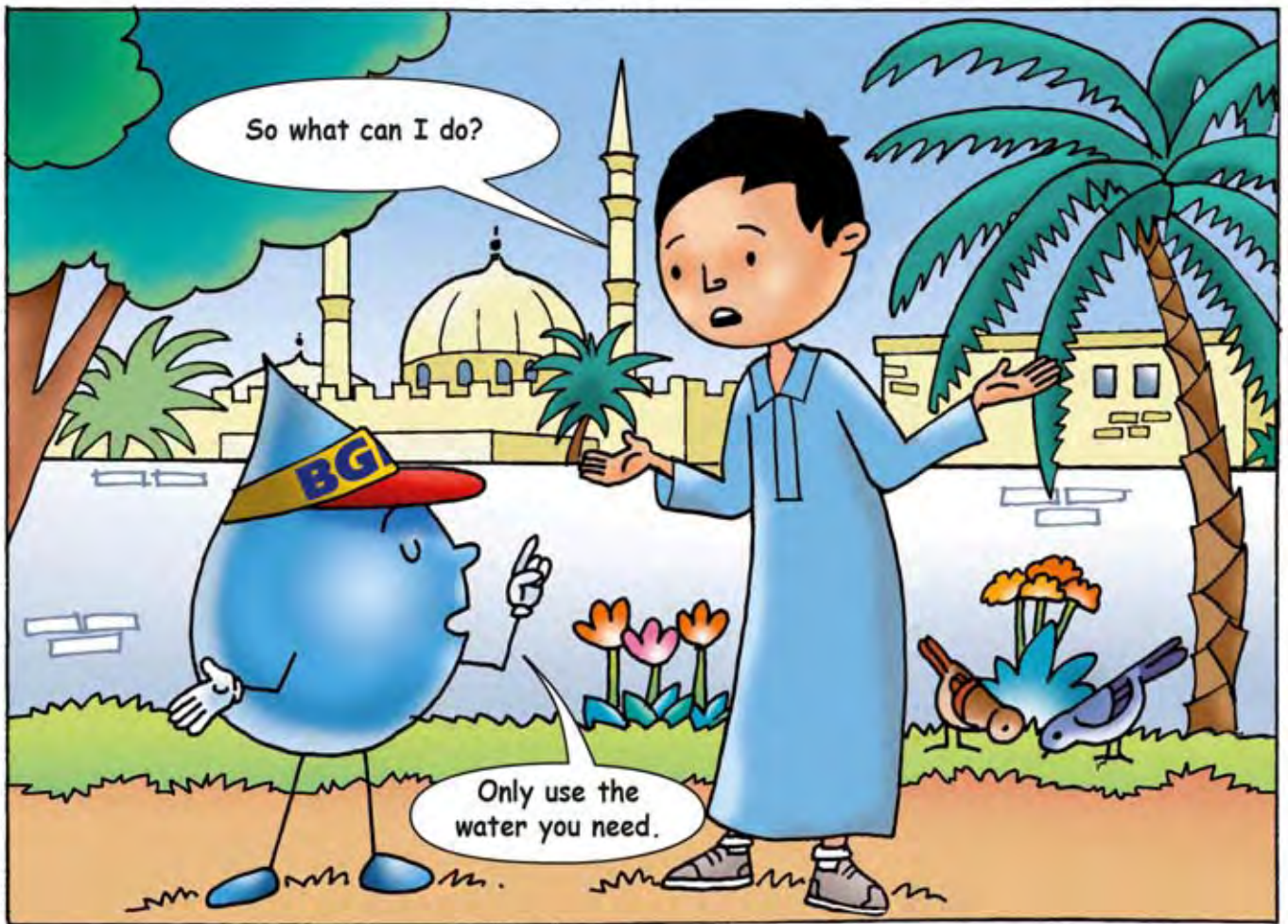




# Water is Precious







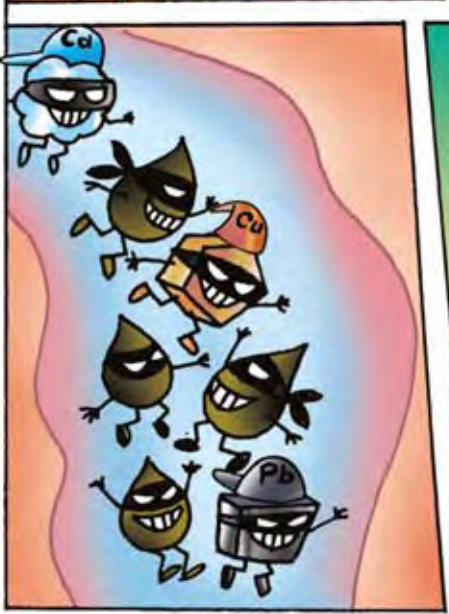
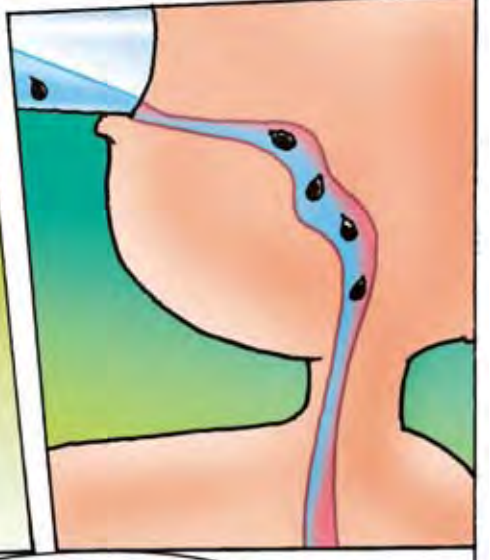
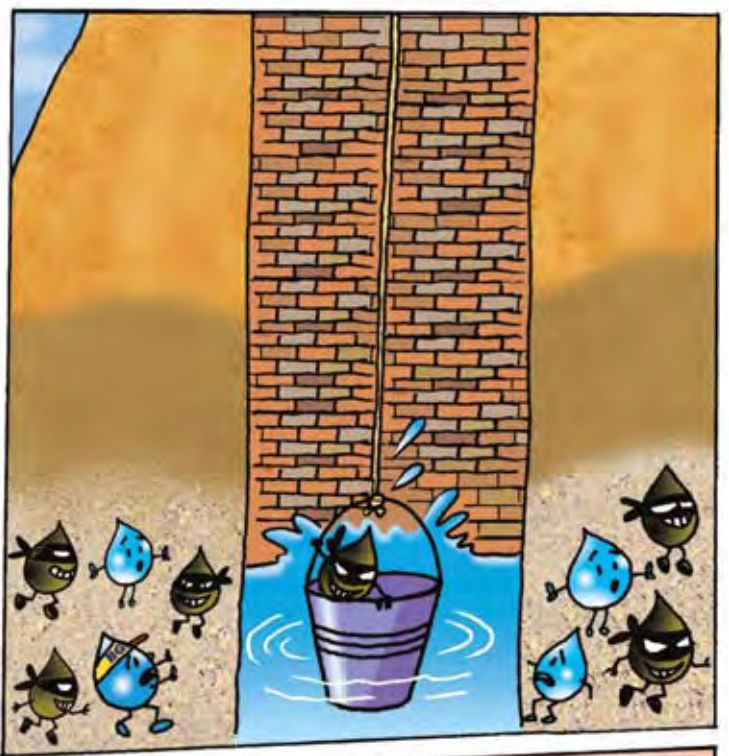
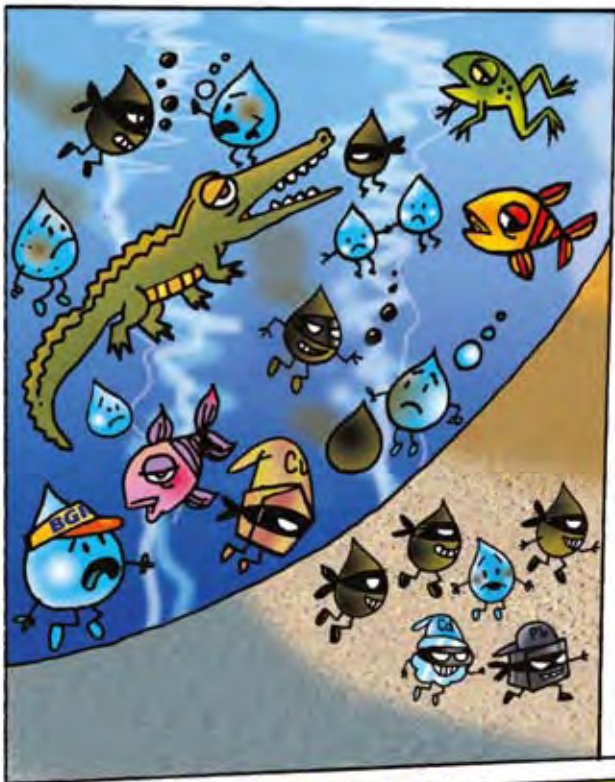




# 3 The Heavy Metals Escape

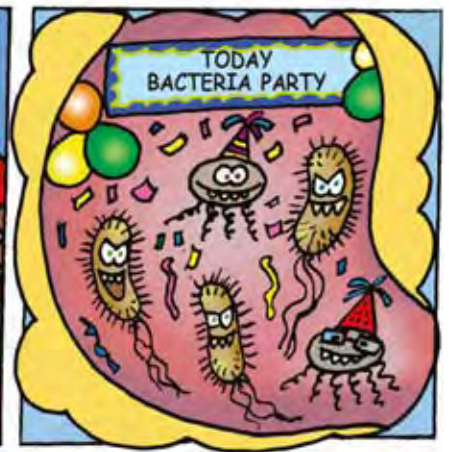


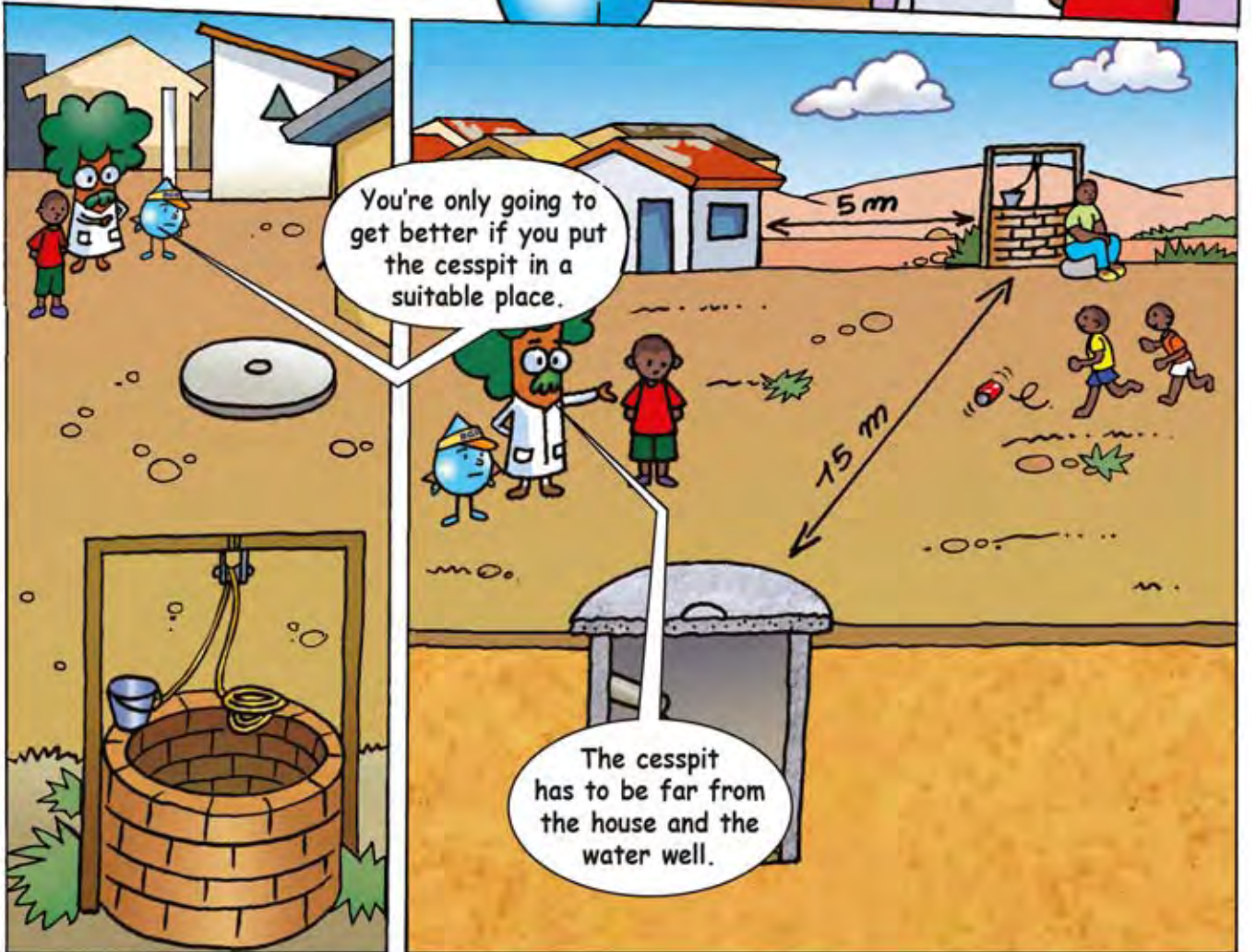
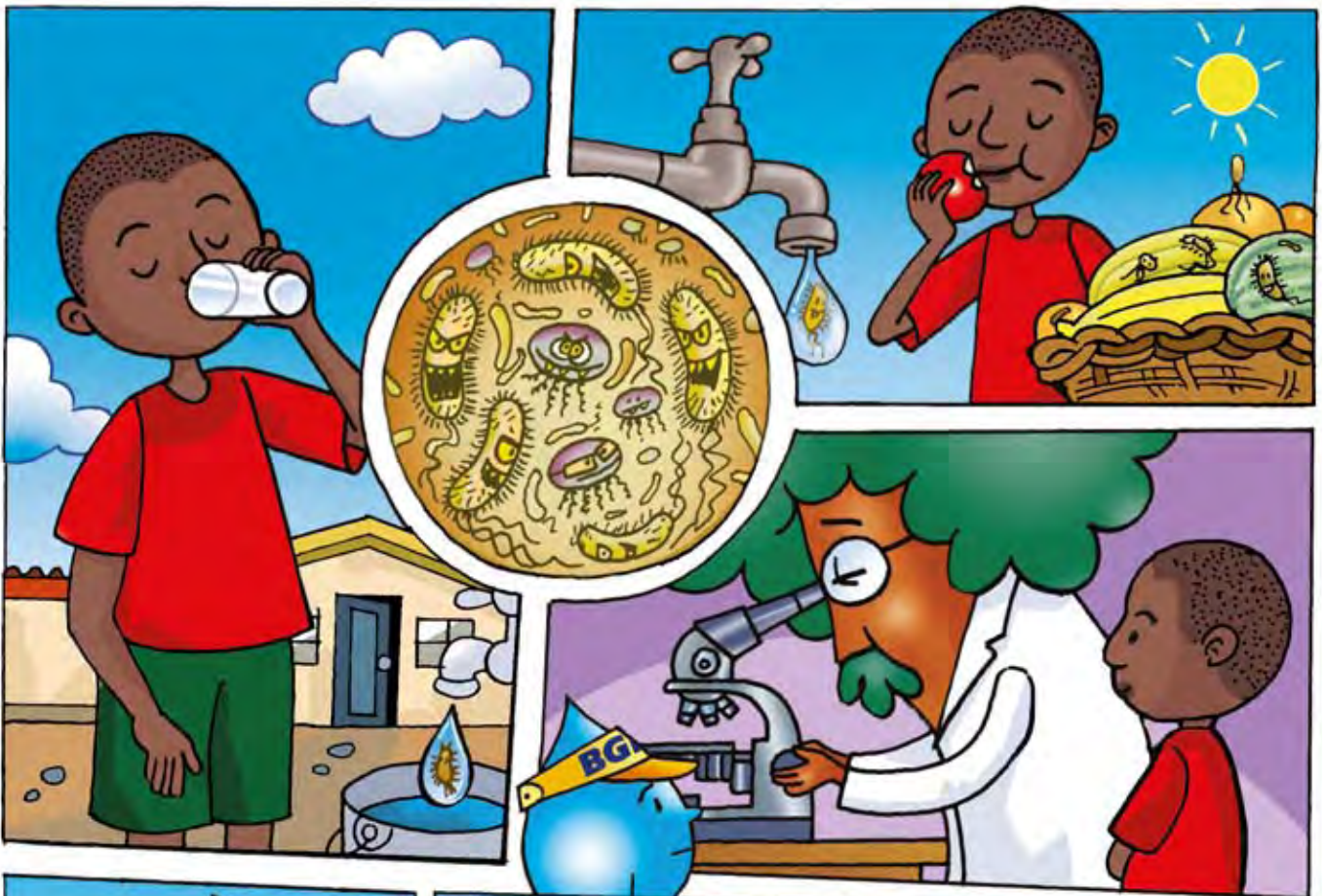




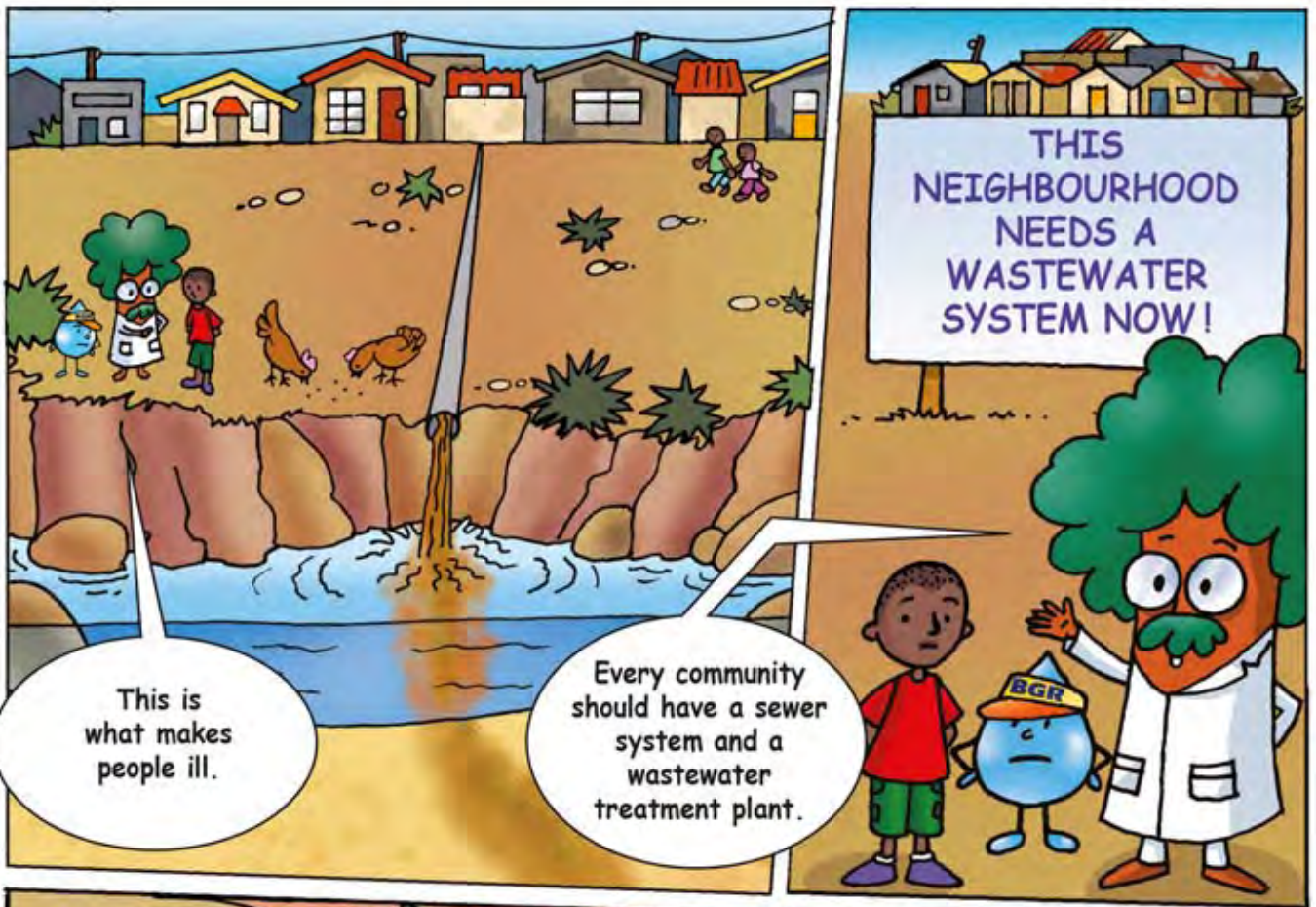




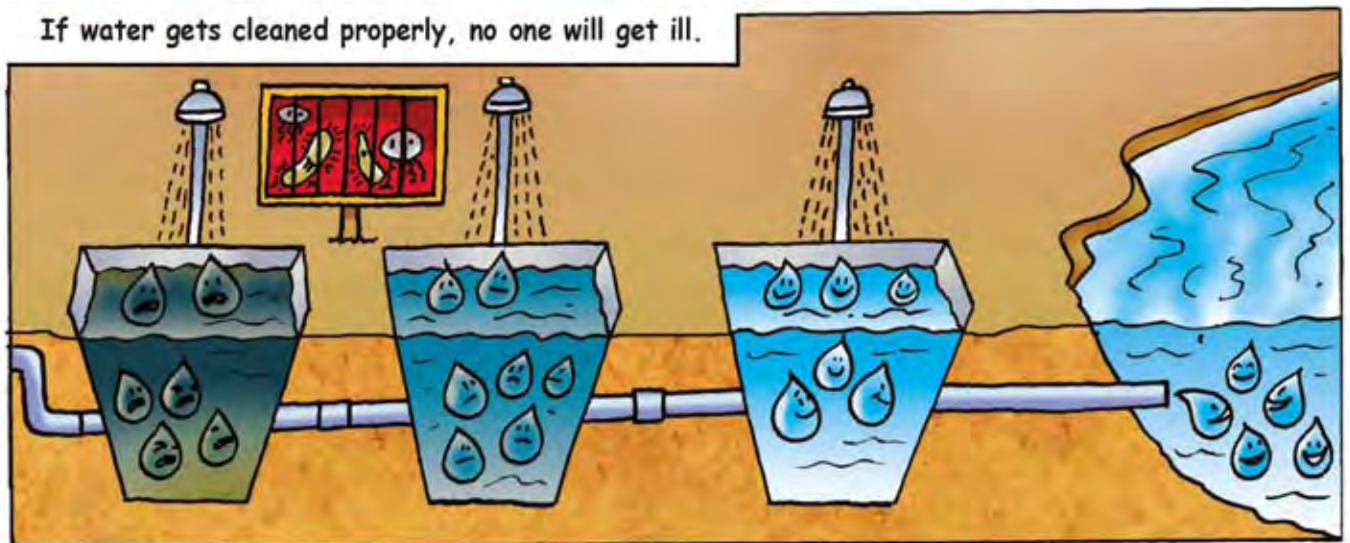






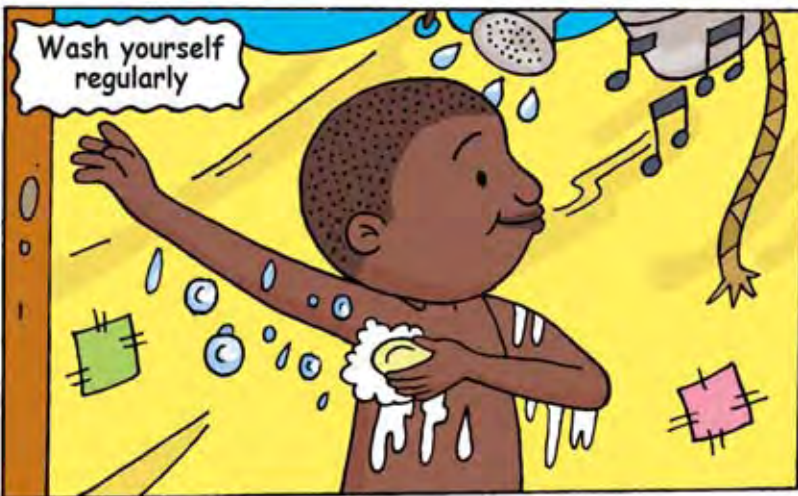


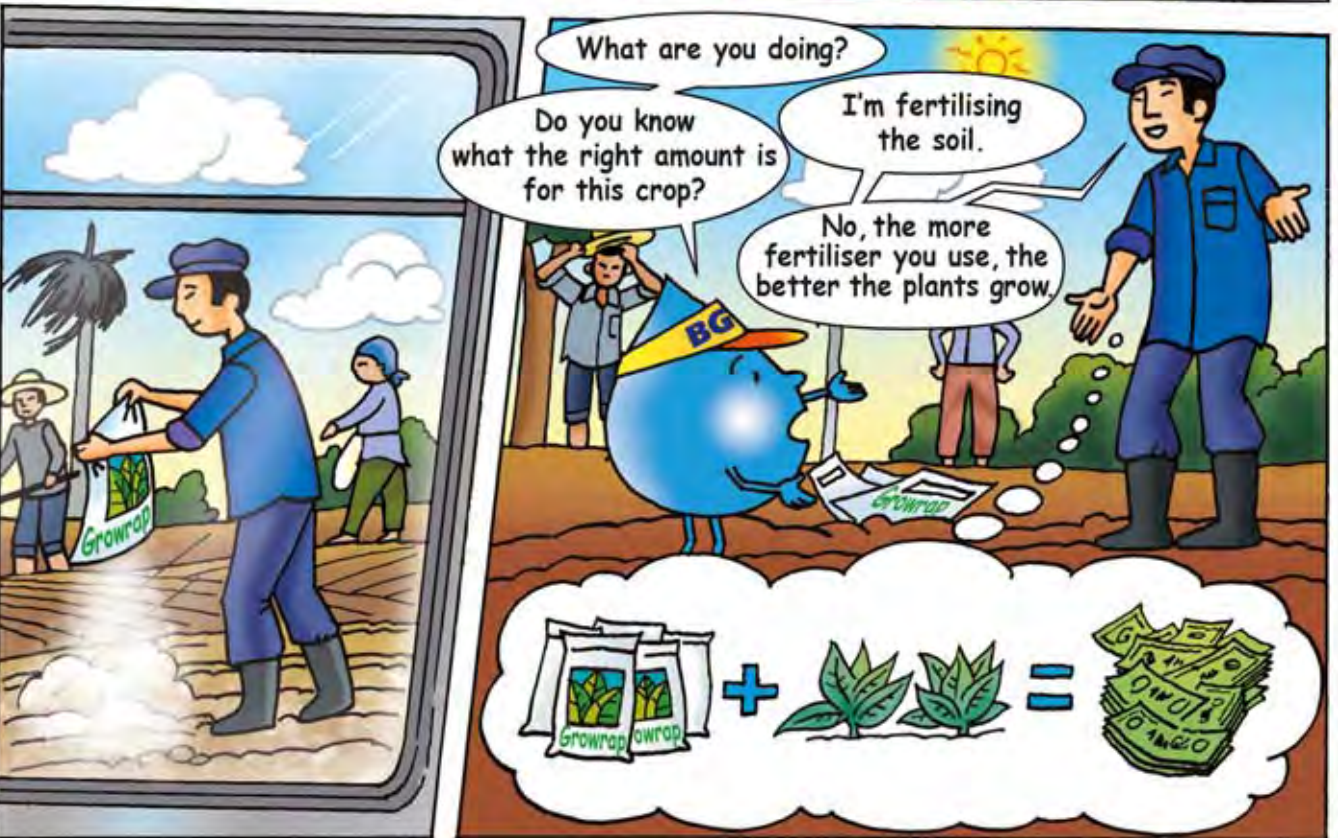
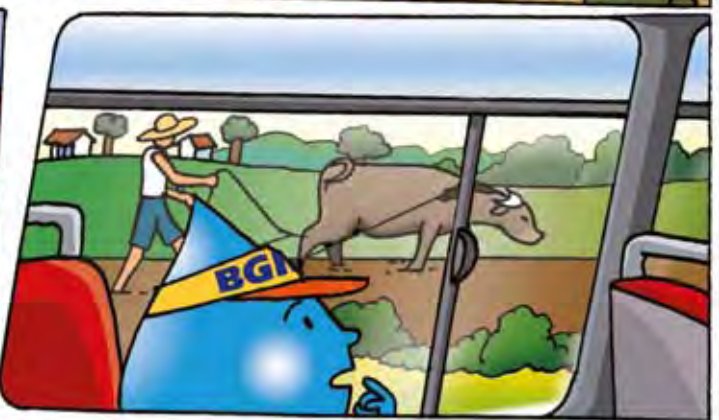
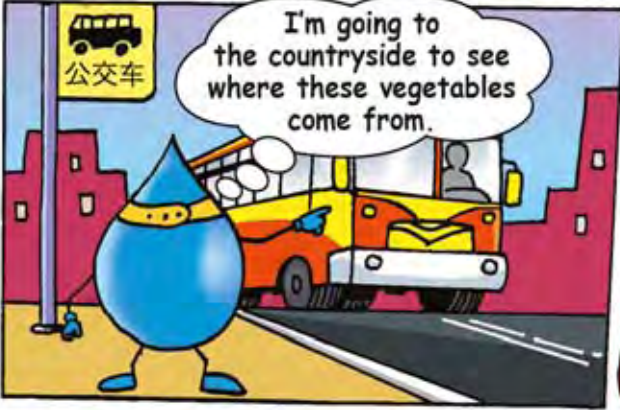
If water gets cleaned properly, no one will get ill.

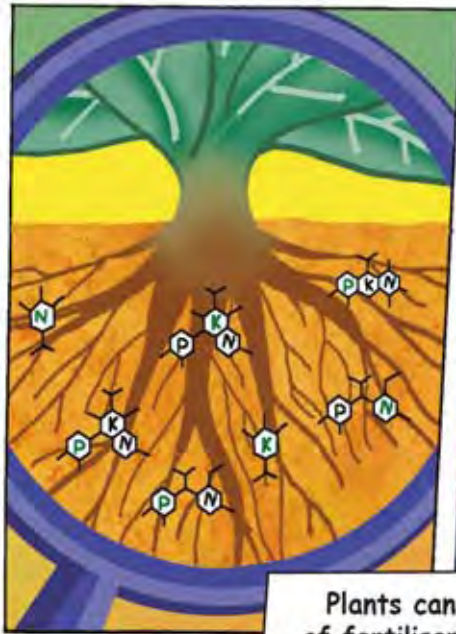


# HEALTH

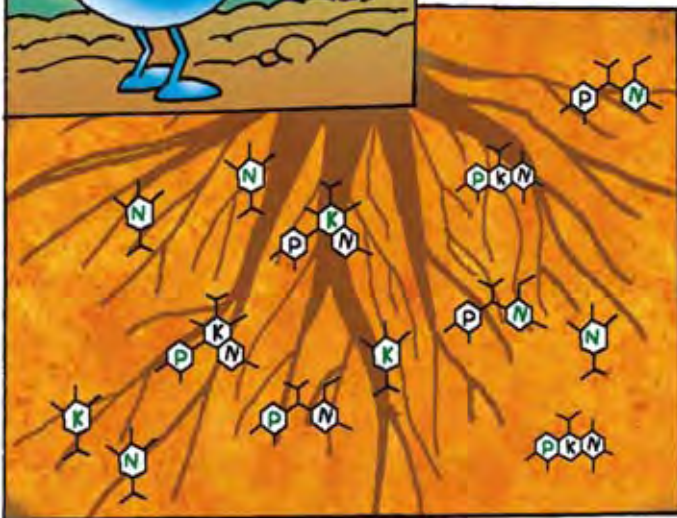
IS ALSO IMPROVED BY:

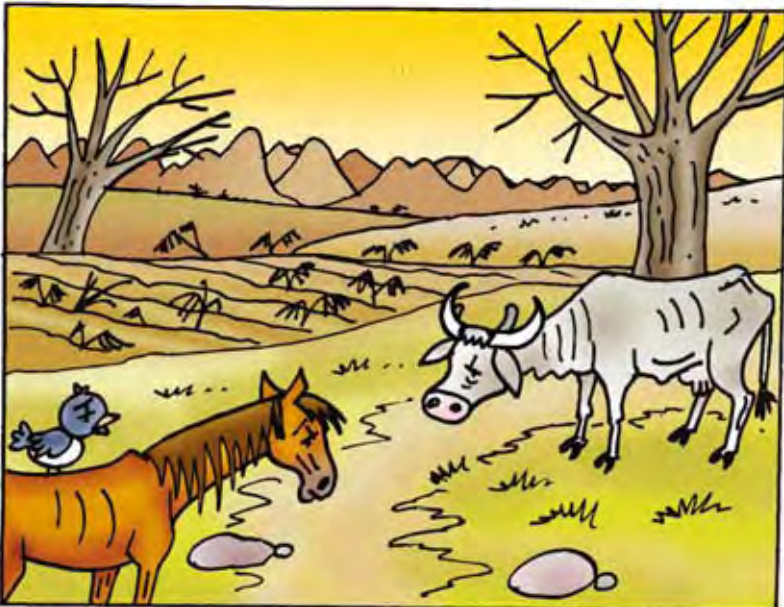






Plants can only absorb a certain amount of fertiliser. Any excess serves no purpose and infiltrates into the aquifer.

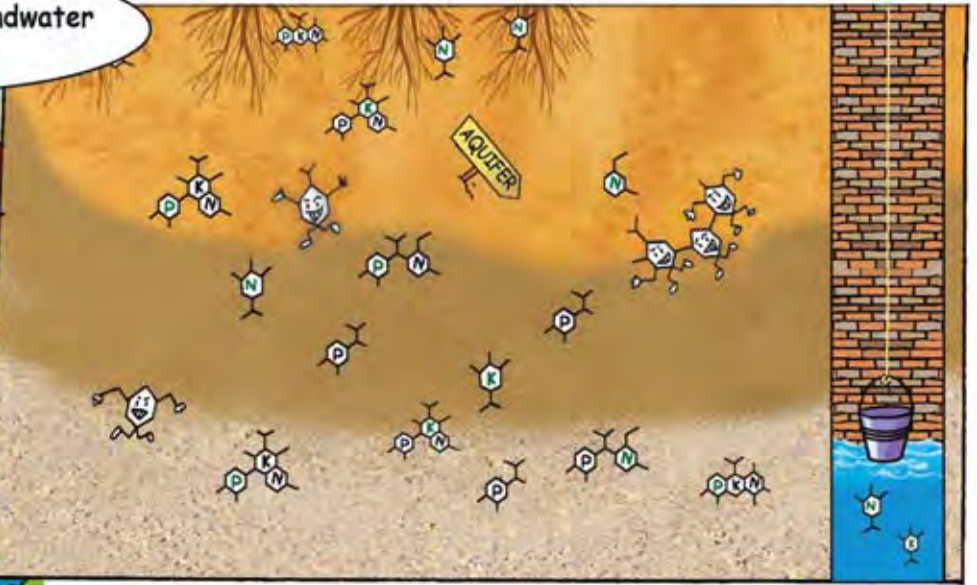




It also pollutes the groundwater and the wells.



Ohh, I didn't know that.



Why don't we go to a meeting to learn about it?



Let's go!



Some time later Droppy is watching the farmer to see what he has learned.

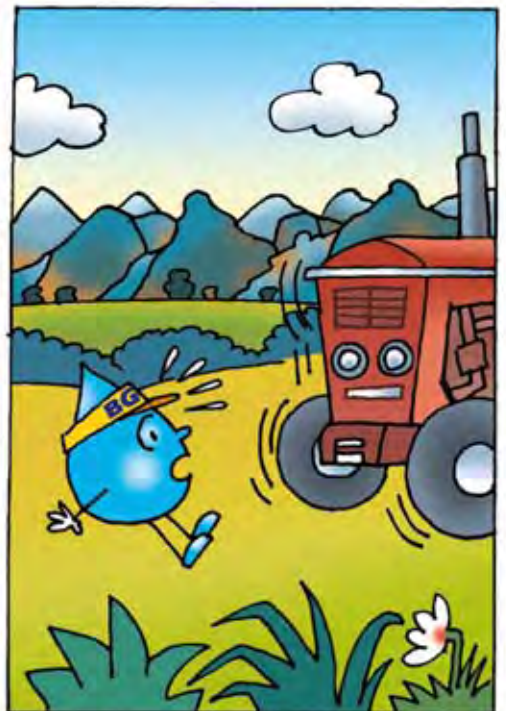


That is enough.



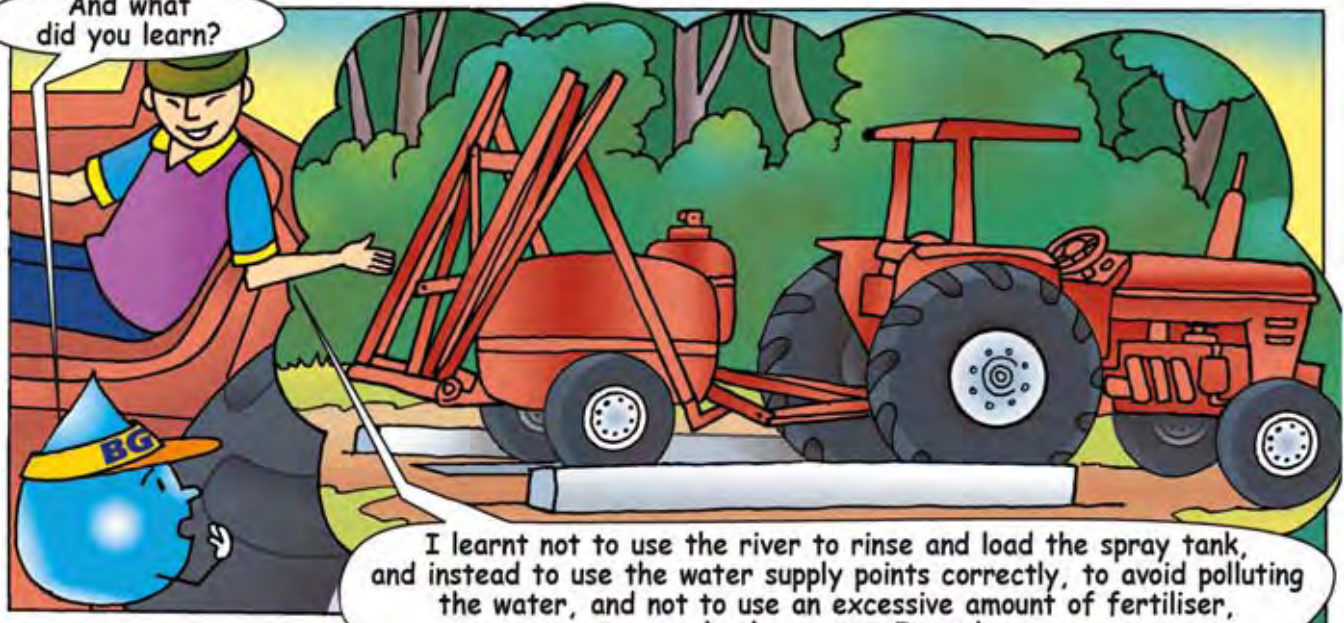


Droppy is walking back home.





And what did you learn?



I learnt not to use the river to rinse and load the spray tank, and instead to use the water supply points correctly, to avoid polluting the water, and not to use an excessive amount of fertiliser, only the amount I need...

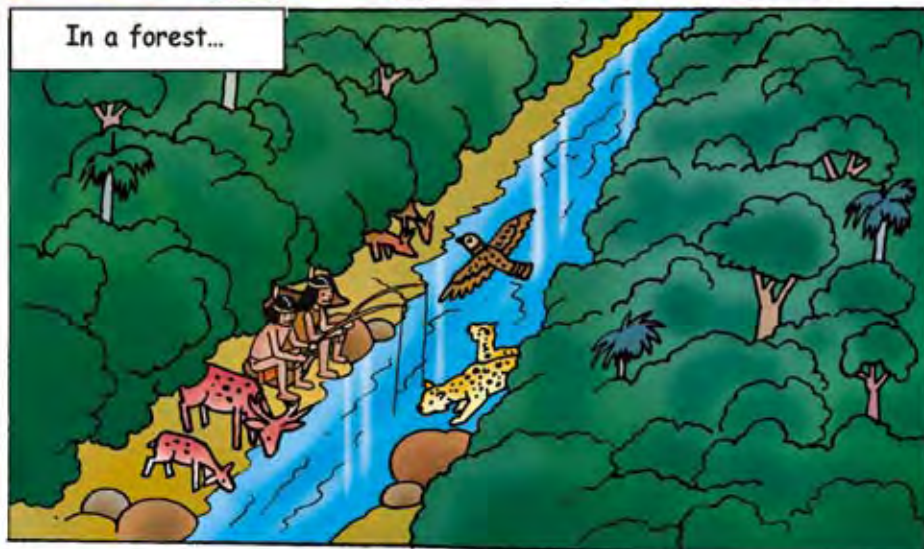
...I also leave protective plant barriers near rivers and settlements.

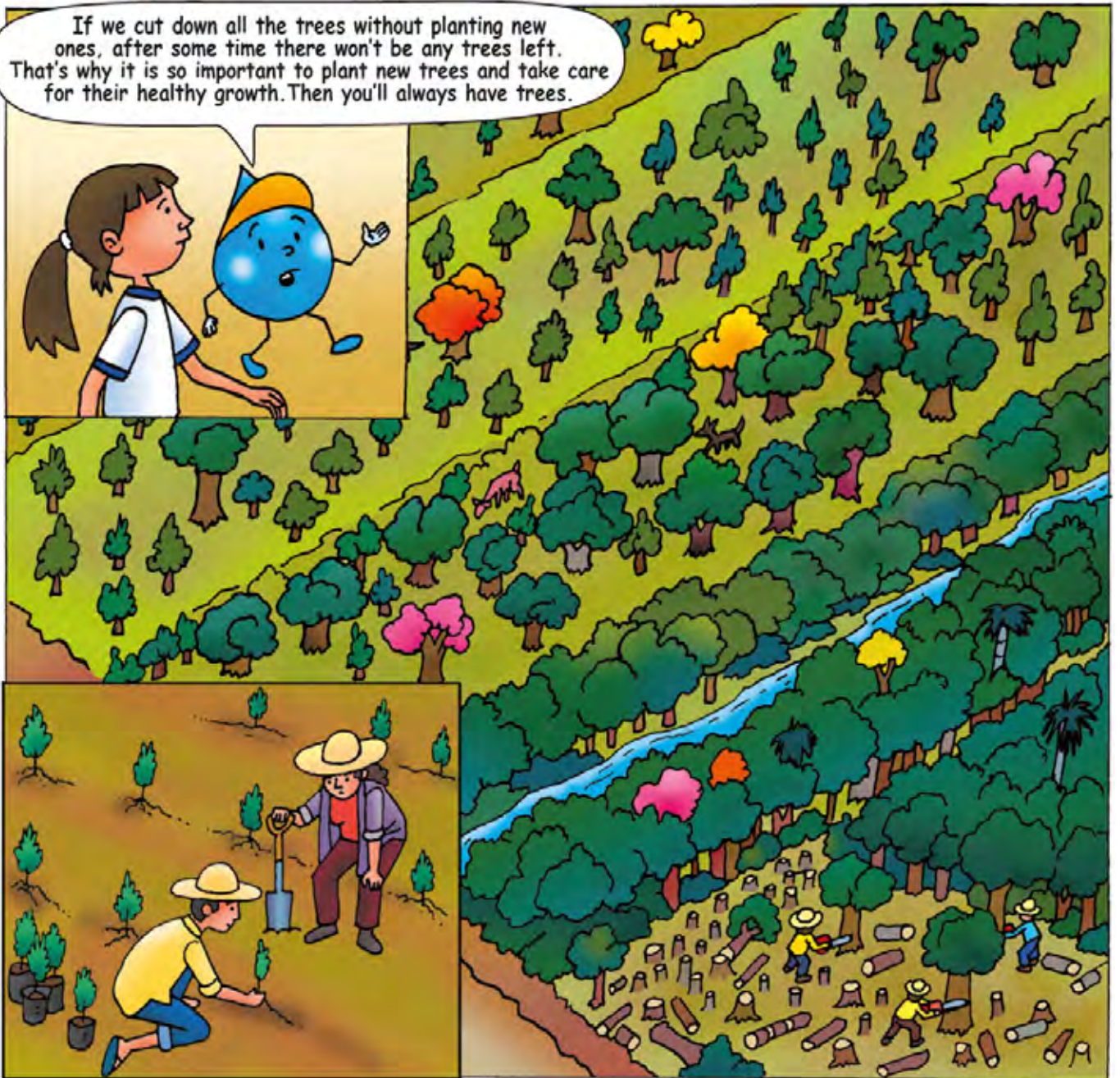


Great! That's how you can help me protect water!



# A Difficult Word





Then the animals will always find a place to live.



We need to have protected areas without environmental destruction to live in peace.



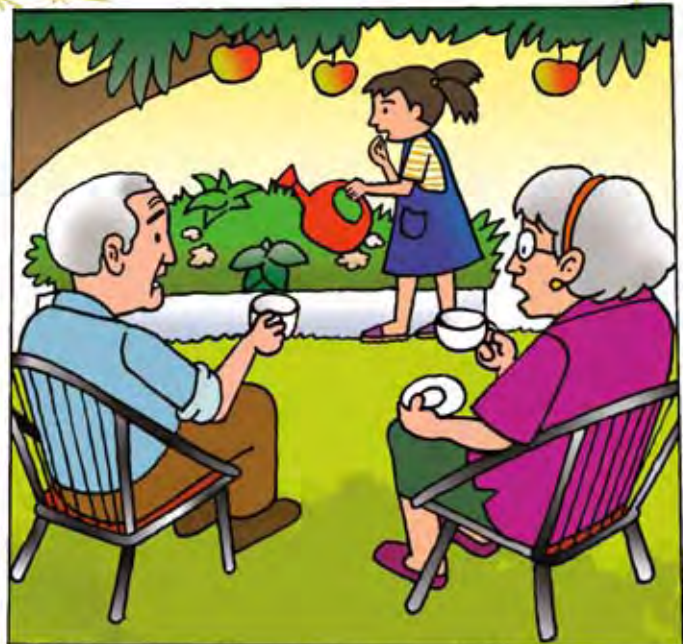
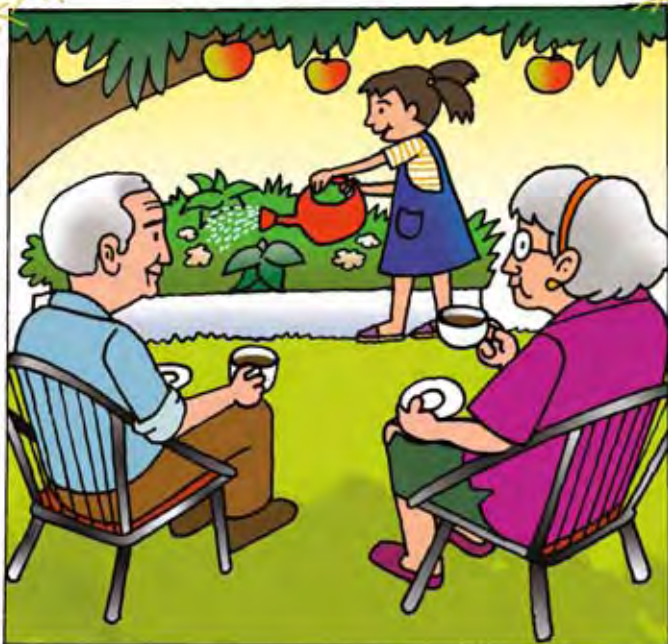
Also water should be used sustainably. Do you remember that one part of the rain waters plants but the other part infiltrates into the aquifer?

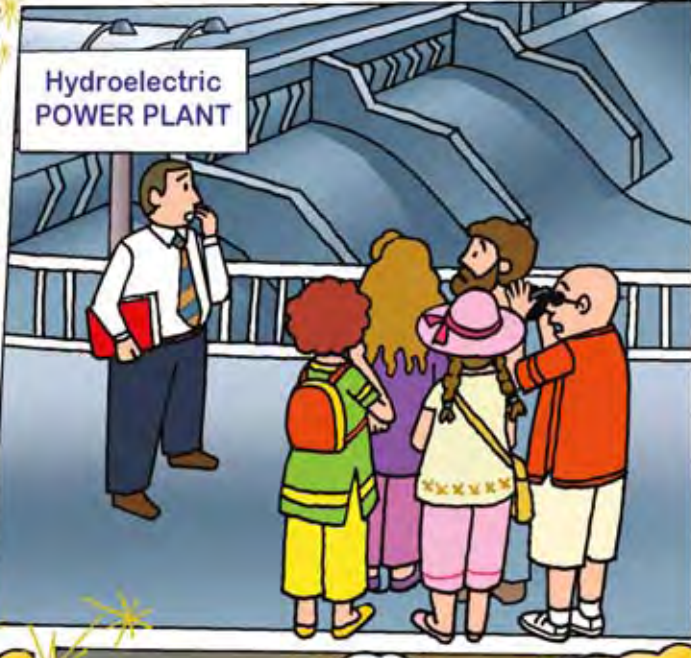




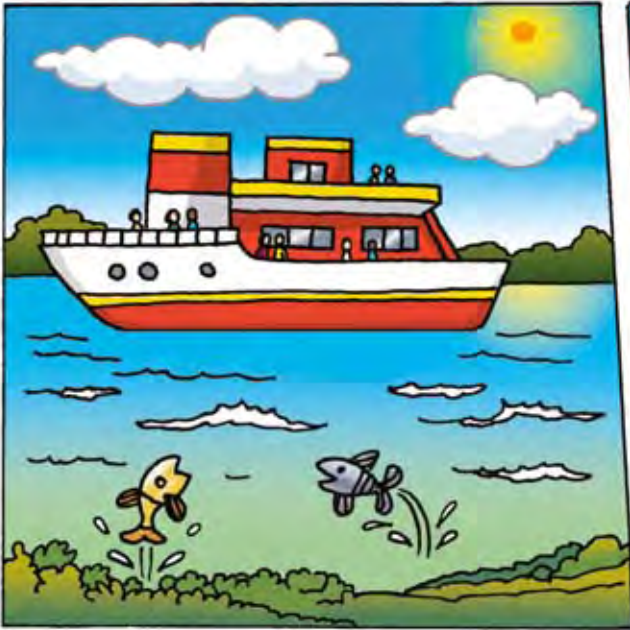
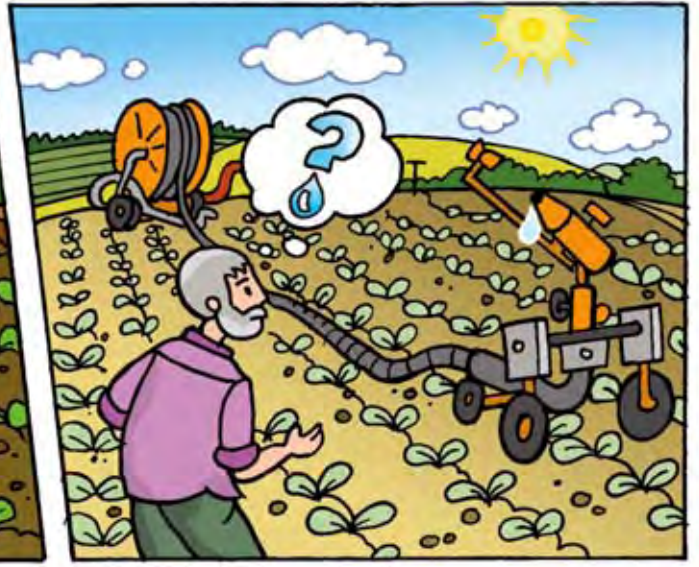
# The Protector of Life



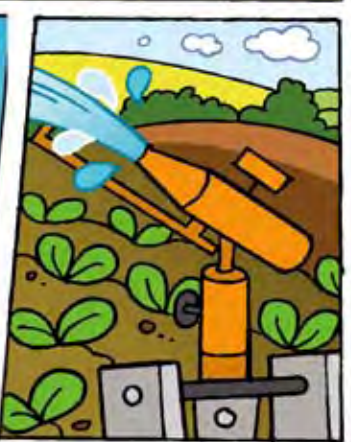




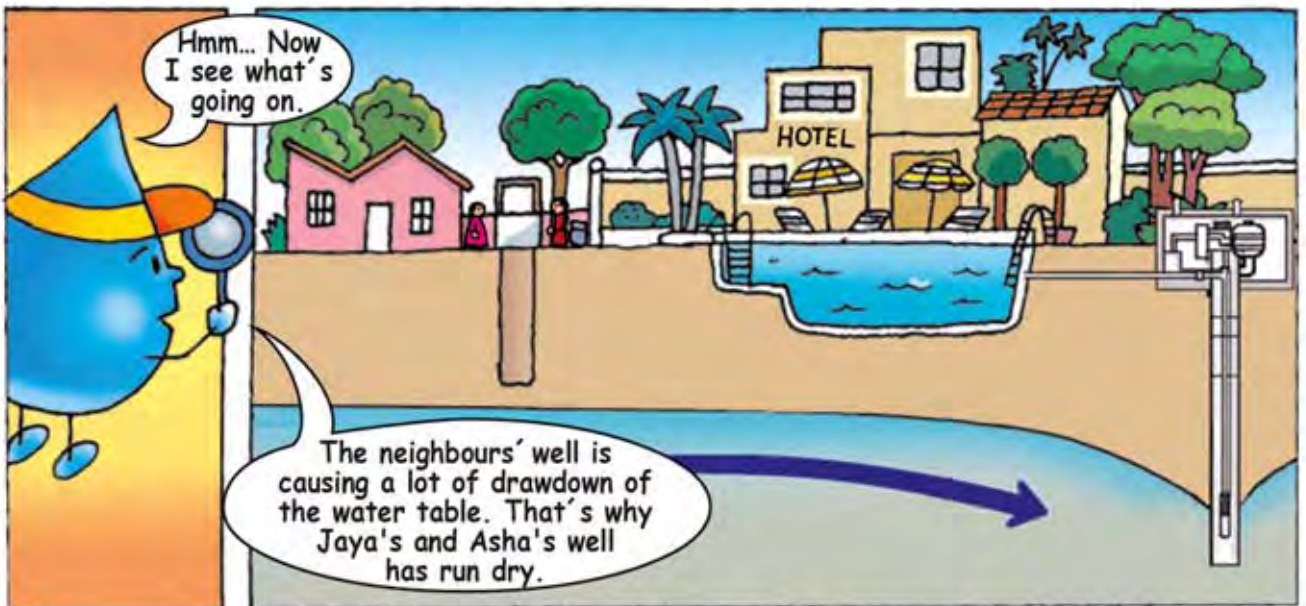


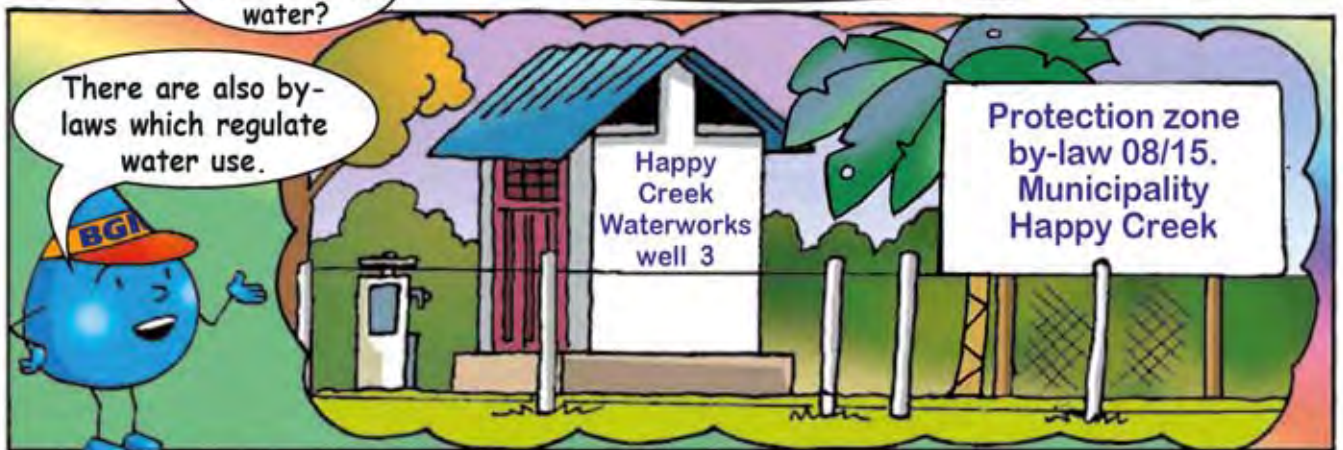






# Without Rules You cannot Play







We also have laws regulating water use for the whole country.

PARLIAMENT

ORDER OF THE DAY:  
1. Water law  
2. Mr. Mmm  
3. Mr. m m



And if somebody breaks the rules?

People who contaminate or waste water have to be prosecuted and fined.



Now we understand. If everybody plays along the rules, we all win!



End

## **Sustainable Groundwater Management for Tomorrow's Livelihoods BGR's Guiding Principle in the Field of Groundwater Management**

As Germany's official implementing agency for development cooperation (DC) in the geo-sector, BGR supports partner countries with science based advisory services to manage their water resources in a sustainable manner.

With adapted advisory instruments, BGR contributes to the broader process of implementing Integrated Water Resources Management (IWRM) and hence supports structural reforms in the water sector.

BGR has a long lasting experience in advisory services to partner countries. The services range from activities such as groundwater exploration, quantitative and qualitative assessment of groundwater resources and their use, groundwater protection, geothermal use of groundwater and capacity building at various levels.

Since the 1960's BGR has been working in more than 60 countries all over the world.





# The worldwide Adventures of Droppy

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