



All the children are singing the song. You also sing. Talk about the song.

Let's sing the song!

*Rain! Rain! Rain!  
 You are very fine;  
 Buckets full of water  
 Flow into rivers;  
 Water in streams  
 Flow all through;  
 Run and jump in  
 Quick quick quick;  
 Rain! Rain! Rain!  
 You are very fine;  
 Lakes, wells, ponds  
 Filled with sounds;  
 Sky glow with  
 Rainbow colours;  
 Plants become green  
 Dancing with glee;  
 Rain! Rain! Rain!  
 You are very fine.*

Where does the rain water flow?

Where do you get water from?



We get water from streams, canals, wells, lakes, ponds, rivers etc; Generally, we get water from wells, taps, hand pumps and streams and store them for our needs.



In Salim's residence the following containers are used to store water. Observe them.



If we fill water completely in the above containers.....

Then, which container holds more water?  
In which containers do you store water at your home?

We use steel pot, clay pots, buckets, cement tubs etc; to store water in our residences. We use the water stored for our needs.



### Why do we need water?

We use water for various purposes right from morning to night every day. Observe the pictures given below. What are they doing?





Discuss with your friends and write what other purposes we use water for.

What are the different kinds of work which require more water?  
What kinds of work require less water?

### Is water essential for plants?

You have learnt water is necessary for us. Do you know who else needs water? Is water essential for plants? Think..... to know about it , do the following.



#### Do this and tell what happened.

Take two plants and water one plant daily. Do not water the second plant. Continue this for one week. Observe the two plants after one week. Write down the observations and your experiences in the table.

Day	What happened	
	Plant - 1	Plant - 2
Monday		
Tuesday		
Wednesday		
Thursday		
Friday		
Saturday		
Sunday		



Plant - 1



Plant - 2



Plants would dry, wither away and die if there is no water. Hence, we should water the plants at our home and school every day. Plants need water to grow. When plants grow they look beautiful and gives us fresh air.

Salim is a member of the cleaning committee of school. He and his friends planted rose, hibiscus plants etc; in the school compound. He watered them regularly. The plants started blossoming after a few days. They bare beautiful flowers. The teachers appreciated Salim for his work during assembly. Teachers requested the children to water plants of the school every day.

Do you water the plants at your home and school? How do you feel when the plants blossom? Tell and write.







## Animals also need water

One day Madhu came to Kishan's house. He found small water containers here and there. When Kishan poured water into them hens came and started drinking. Madhu felt happy on seeing the way hens were drinking water. What do you understand by this? As water is essential for plants and us, in the same way the animals also require water. Give some examples to show water is essential for animals. Discuss with your friends.

Have you ever seen animals drinking water?  
Which animals have you seen?

What other purposes animals require water for other than drinking?

## Do you know?



Once, camel drinks water it can stay without water for a number of days. It drinks a lot of water when is available and stores it in the body.

Water is essential for both plants and animals to survive. If they don't take water, they will die.



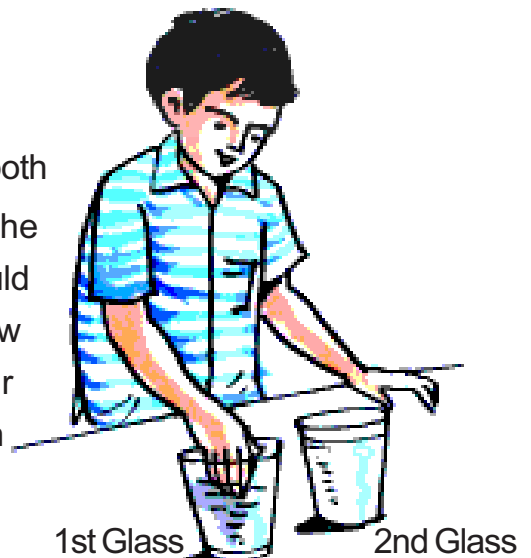
## What type of water should we drink?

Madhu and Kishan were playing in the school. Madhu became thirsty. He immediately ran and tried to dip the glass in to the water pot. On seeing this, Kishan advised him not to dip the glass into the water with hands. Why did Kishan ask Madhu not to do that? What happens when we dip the glass into the water with hands? Think ...



## Do the experiment and tell what happened.

Kishan brought two glass tumblers. He filled both with water. He asked Madhu to dip his hand into the water of one glass. Madhu did the same. What would have happened? You also do the same. Observe how the colour of the water changes when you dip your hands into the water. Observe the colour of water in the second tumbler. Water in which tumbler became dirty? What did you learn from this?



When we play and do different work our hands become dirty with dust, microbes and impurities. When we dip our hands into the water without washing, they will reach the water. If we drink this water we get diseases. Hence, we should drink clean water.



You know that wells, lakes, ponds and streams contain water. Observe the picture of a pond given below. This is Madhu's village. All the villagers get water from this pond only.



What are the people doing in the pond?  
What happens to the water when they do such things?  
What happens when we drink this water?  
What should we do if we have to drink the pond water?

When the clothes are washed and utensils are cleaned in the pond more impurities get added to the water. Besides this, harmful bacteria will reach the water. We call this dirty and unclean water as 'Polluted water.' When we drink this water our body gets infections and it leads to jaundice, cholera, vomiting, loose motions etc.

If the water of the pond is to be used for drinking then it should be filtered, boiled and cooled down.





## Good Habits

We get most of the diseases by drinking polluted water. Hence, we should take some precautions. We should have good and clean habits. What are they? Think.....

We should take water from the pot with a ladel (Garite) and pour it into the glass.

While drinking the glass should not touch our mouth. We should lift it and drink.

The treated water which comes from taps and bore wells only should be drunk. Filtered water is safe to drink.

Plastic water bottles should not be used. The plastic dissolves in the water and the water becomes poisonous.

If plastic is to be used, thicker plastic bottles only should be used.



## Is pure water available to all?

There is a tap in Rajani's house. They use only the tap water. There is no tap in Venkanna's house. They bring water from the road side public tap. See the surroundings of the public tap in the picture.

What happens if we bring and drink the water from such surroundings?

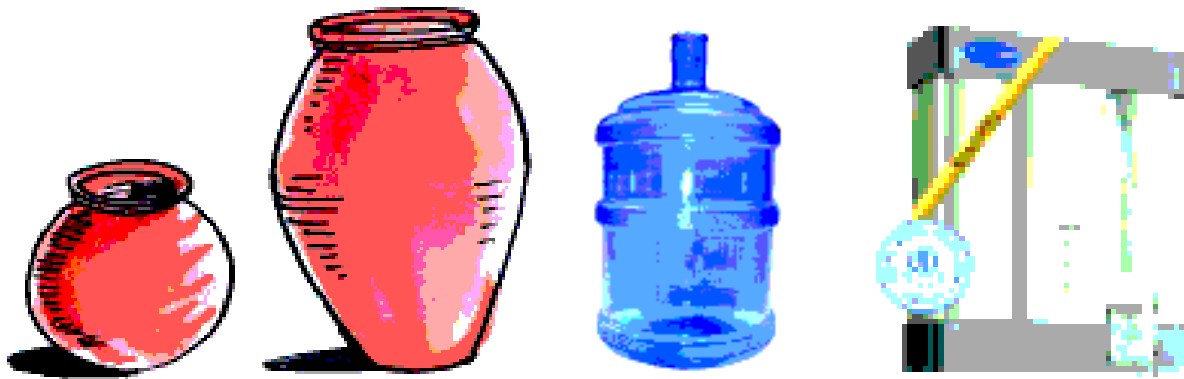
What should we do to have clean surroundings at the public tap?



Generally, people use pots and drums to store water. Some people use ranjans (big size earthen pot) to store water. Have you drunk ranjan's water any time? How will it be? Fill a ranjan with water and observe after one hour. What did you observe? Ranjan's water would be very cool. Rajani observed a bubble top water can in her uncle's house and she saw the water purifier







that functions with electricity. “What is this for?” She asked her uncle. “This purifies water,” replied her uncle. Does any one gets water in water can or bubble tops in your village? Why do they get water from these? Who else has water purifier at their home? Know the details and tell.

When we mix chlorine tablets or bleaching powder in water the bacteria die.



### Water Scarcity

There is a well in Rajani’s residence. One day her mother tried to get water from the well and dropped the bucket with rope. But the bucket did not touch the water. Though the rope is long it could not reach the water level. “Why the water is not reachable?” Asked Rajani. “As this is summer, the water level dropped down, and became unreachable” replied her mother.



What made the water level drop in well? Why?

In which season water in the wells decreases?

The wells and ponds would dry up during summer. Water in the bore wells also decreases. The villagers wouldn’t get sufficient water. This situation is called ‘Water Scarcity’. For these villages, water is supplied through tankers by government. Did this situation arise any time in your village? Did they bring water by tankers any time? Why did they bring? on what other occasions the water is brought by tankers?





What difficulties do we face when water is not available during summer?

What should be done to avoid water scarcity?



### Conservation of water

Rahim came to Hyderabad during summer holidays. He saw a large pit with water in the back yard of his uncle's house. "Why is this pit built?" he asked his uncle. "This is water harvesting pit. During rainy season, to avoid the wastage of rain water it is diverted into this pit. This increases ground water. Increasing water deposits is very important and also, saving and conserving water is equally important," replied uncle.

You know that water should be saved and preserved. Now, observe the pictures given below. What did you understand?



What is happening to the water in the first picture? Why is it happening?

What is happening in the second picture? On what other occasions water gets wasted?

Observe the third picture. How is water getting wasted? Who incurs loss due to this?

What should be done to stop the wastage of water?





Water is very important for us. Water is essential to live. We should not waste valuable water. We should save and use water and drink purified water only. One should take precautions before using water.

**Stop wastage of water – Save water – It is our duty**

**Key words**

1. Water deposits
2. Uses of water
3. Purified water
4. Polluted water
5. Wastage of water
6. Water harvesting pit

**What have we learnt?**

- ★ We get water from streams, canals, lakes, ponds, wells, rivers etc;
- ★ Water is used for drinking, washing clothes, cleaning utensils, bathing, etc;
- ★ Water is essential for animals and plants to live.
- ★ Generally water is stored in pots, buckets, tubs, steel drums, tanks etc;
- ★ We get diseases by drinking polluted water.
- ★ Water should be saved and used. Purified water only should be used.
- ★ We should see that no water is wasted through pipes, tanks and taps.

**DO THIS**



**Conceptual Understanding**

1. What happens if there is no water?
2. Give a few examples of water resources. Which water resources are there in your area?
3. How do you store water in your house?
4. On what occasions water is wasted in your house? How do you prevent it?
5. Give examples of how water get wasted in your surroundings and locality.
6. Which water is good to drink? Pond water or tap water? Why?
7. We should use water sparingly. Write any five things you can do in this regard?



8. We all should drink purified water because .....
9. In some areas water is supplied by tanker for drinking and other purposes. What should be done to stop the wastage of water?



**Draw and Colour the pictures.**

1. What containers are used to store water at your home? Draw pictures.



**Information Skills - Project work.**

1. We drink water every day. Do you know how many times we drink water? Do you want to know? Then do this. Count how many glasses of water you drink from morning to night? Fill the table with the particulars.

Time of drinking water	How many glasses?



- How many glasses of water you drank the whole day?
- At what time you drank more water?
- You friends also wrote the information. Ask them and find out how many glasses of water they drank?
- Who drank more than you did?
- Who drank less than you? Who drank the most?
- Who drank the least?



### Appreciation

1. One day Latha was going to her friend's house to play. She saw some children wasting water at a bore pump on the way. She told the children not to waste water. What Latha might have told them? What would you do if you were there?

Is the work done by Latha good or bad? Why?



### Ask a Question

1. Somu wanted to know about the saving and purifying of water. He went to his teacher. What questions Somu might have asked his teacher? What answers teacher might have given?
2. Once Jangu came to Hyderabad. He saw that water is supplied by tankers. Jangu was surprised. "Why should water be brought by tankers?" He questioned Hussain's grandpa about it. What Jangu might have asked? What would you ask if you were in his place?



### Can I do this?



- |   |        |
|---|--------|
| 1. I can tell the resources where we can get water.           | Yes/No |
| 2. I can explain how water gets polluted.                     | Yes/No |
| 3. I can explain how and why water should be saved.           | Yes/No |
| 4. I can locate the water resources of our area.              | Yes/No |
| 5. I can ask questions about the wastage and saving of water. | Yes/No |

