

## **CHAPTER-18**

### **Too Much Water Too Little Water**

#### **3MARKS**

**What to Drink?**

**Discuss**

**Question 1:**

**How can unclean or dirty water harm our bodies?**

**Answer:**

Unclean or dirty water can result in many diseases in our bodies.

**Question 2:**

**Have you ever got dirty or unclean water in your area? What was the reason for this?**

**Answer:**

Yes, I have got unclean water in my area because of a leakage in the pipeline.

**Question 3:**

**Do you know anyone who has fallen sick because of such water? Talk about this.**

**Answer:**

Yes, some of my friends in my neighbourhood fell sick because of such unclean water.

**Question 4:**

**When the guest came to Suguna's house, they offered him a cold drink because they thought he should not drink such water. What do you think Suguna's family must be doing for their own drinking water?**

**Answer:**

I think Suguna's family must be cleaning the water by boiling or putting alum/chlorine into the water in order to make it fit for drinking.

**Question 5:**

**The guest said he did not take cold drinks. Why do you think he said this?**

**Answer:**

The guest would have said this because aerated drinks, like cold drinks, are not good for health. They may cause issues in the digestive system of the body.

## **Water Games**

### **Read and Write**

#### **Question 1:**

**Have you ever faced a shortage of water in your house? When?**

**Answer:**

Yes, we faced a shortage of water in our home sometimes during the summer season.

#### **Question 2:**

**What did you do then?**

**Answer:**

We get water from private tankers or purchase cans of water.

#### **Question 3:**

**Have you ever played in water? Where and when?**

**Answer:**

Yes, we played in the water at a fun park in my city last month.

**Question 4:**

Are there times when you are not allowed to play in the water? What are the reasons for this?

**Answer:**

Yes, there are times when we are not allowed to play in the water. The reasons are as follows:

- Shortage of water
- Uncleanliness of water
- Too much depth of water

**Question 5:**

**The water park had a lot of water to play in, but the nearby village did not have water even to drink. Discuss.**

**Answer:**

The water park had a lot of water to play in, but the nearby village did not have water even to drink. This is because of the poor management of the local municipality or the concerned authorities. The water parks are usually run by private authorities in order to generate profit. So, they might be getting the water supplied by paying extra charges.

**Question 6:**

**If you go to a water park, find out from where the water comes to the park.**

**Answer:**

The water comes to the park through the pipelines.

**Can We Drink This?**

**Write in your notebook**

**Question 1:**

**Why was Raziya worried when she read the newspaper?**

**Answer:**

Raziya was worried when she read the newspaper because it said that the gutter water had got mixed with the water in the drinking water pipes, thus making the water polluted.

**Question 2:**

**Raziya asked that all the water that was filled the previous day should be thrown. Could this water have been used for something else? What kind of things?**

**Answer:**

Yes, this water could have been used for cleaning purposes and watering the plants.

**Question 3:**

**In what way did she plan to clean the water?**

**Answer:**

She planned to clean the water by boiling it.

**Question 4:**

**Do you know of different ways to clean the water? Describe them.**

**Answer:**

Yes, I know some ways to clean the water. Water can be cleaned by the following ways:

1. By boiling
2. By putting chlorine tablets
3. By putting alum

**Question 5:**

**Suppose, Raziya had not read the news, and everyone had drunk the water without boiling it, what could have happened?**

**Answer:**

If everyone had drunk the water without boiling it, then they might have suffered from diseases.

## **5MARKS**

### **Discuss**

#### **Question 1:**

**Where Deepak lives, everyone has to stand in a queue to fill water from the common public tap. In Raziya's house, water comes all day from the tap. Why is this?**

#### **Answer:**

Deepak lives in a slum area, where the people are devoid of basic facilities like water. Whereas, Raziya's apartment is in Cuffe Parade, Mumbai, where her house gets all the basic facilities, like water connection, with charges.

#### **Question 2:**

**Raziya read news about the water in the newspaper. Have you read any news about the water in the newspapers? What kind of news?**

#### **Answer:**

Yes, I have read some news about the water in the newspapers, like the shortage of water, unavailability of water in some areas, circulation of unhealthy water, etc.

**Do and Discuss****Question 1:**

**Look through the newspapers of the last month. Look for all news items related to water. Cut them out. Stick all the cuttings together on a big piece of paper to make a big collage. Talk about what you have collected. Discuss in the class.**

**Answer:**

Do it yourself.

**Water Survey in School****Group 1**

Observe and Note

**Question 1:**

Put a tick in the right box or boxes

Where does the water in your school come from?

Tap ☐ Tank ☐ Handpump ☐ Any other ☐

**Answer:**

Tap ☒ Tank ☒ Handpump ☒ Any other ☐



**Question 2:**

Put a tick in the right box or boxes.

In your school, from where do you take water to drink?

Tap ☐ Tank ☐ Handpump ☐ Any other ☐

**Answer:**

Tap ☒ Tank ☐ Handpump ☐ Any other ☐

**Question 3:**

If there is no tap, matka or hand pump, then how do you get drinking water?

**Answer:**

In case there is no tap, matka or hand pump, then we get drinking water from the water tankers.

**Question 4:**

Is there water in all the taps or hand pumps?

**Answer:**

Yes, water is there in all the taps and hand pumps.

**Question 5:**

Is there any tap which is leaking or dripping?

**Answer:**

Yes, 2 of the taps are leaking, and a few taps are dripping.

**Question 6:**

Are all the matkas filled with water, and are they covered?

**Answer:**

Yes, all the matkas are filled with water and are covered properly.

**Question 7:**

Are the matkas and other water containers cleaned regularly?

**Answer:**

Yes, the matkas and other water containers are cleaned regularly.

**Question 8:**

How is water made safe for drinking?

**Answer:**

Water is made safe for drinking by passing it through filters before it is used for drinking. Also, chlorine tablets and alum are used to purify the overhead tankers.

**Question 9:**

Is there a long-handled ladle to take water from the matka or container? How many ladles are there per container?

**Answer:**

Yes, ladles are available to take water from the matka or container. There is a ladle for each of the matkas/ containers.

**Question 10:**

Is the place around the drinking water taps or matkas cleaned regularly?

**Answer:**

Yes, the place around the drinking water taps or matkas is cleaned regularly.

## **7MARKS**

### **Think and Discuss**

#### **Question 1:**

Why do the drinking water places get dirty?

#### **Answer:**

The drinking water places get dirty because the water often gets spilt here and there while fetching or taking out water from the containers. These places also get dirty when people do other activities like washing around these places.

#### **Question 2:**

What can we do to keep these places clean?

#### **Answer:**

We can be a little more careful while taking out water from the containers so that the water does not spill. Also, we can avoid activities like washing around these places.

## **Find out and Write in Your Notebook**

### **Question 1:**

How often (once a day, once in two days, etc.) are the containers or matkas and ladles cleaned? Who cleans them?

### **Answer:**

The containers or matkas are cleaned once in two days. The cleaning staff cleans them.

### **Question 2:**

How many children are there in your school? How many taps, matkas or hand pumps are there? Are these sufficient for children?

### **Answer:**

There are three hundred and fifty children in my school. There are 10 water taps, 4 matkas and 2 hand pumps in the school. Yes, they are sufficient for children.

### **Question 3:**

Who cleans the places near the water?

### **Answer:**

The places near the water are cleaned by the cleaning staff.

## 3MARKS

### Observe and Note

#### Question 1:

Put a tick in the box and write wherever it is required.

What are the toilet arrangements in your school?

Built toilet ☐

Open area ☐

Answer:

Built toilet ☒

Open area ☐

#### Question 2:

How many toilets are there?

Answer:

There are 10 toilets.

#### Question 3:

Are there separate toilets for girls and boys? (Yes/No)

Answer:

Yes

**Question 4:**

Is there water in the toilets? (Yes/No)

**Answer:**

Yes

**Question 5:**

Where does the water come from?

- ☐ the tap
- ☐ filled containers
- ☐ has to be brought from home

<input type="checkbox"/>	yes	<input type="checkbox"/>	no
<input type="checkbox"/>	yes	<input type="checkbox"/>	no
<input type="checkbox"/>	yes	<input type="checkbox"/>	no

**Answer:**

- ☒ the tap
- ☐ filled containers
- ☐ has to be brought from home

<input checked="" type="checkbox"/>	yes	<input type="checkbox"/>	no
<input type="checkbox"/>	yes	<input checked="" type="checkbox"/>	no
<input type="checkbox"/>	yes	<input checked="" type="checkbox"/>	no

**Question 6:**

Is there water for washing hands near the toilet? (Yes/No)

**Answer:**

Yes

**Question 7:**

Do you wash your hands after using the toilet? (Yes/No)

**Answer:**

Yes

**Question 8:**

Is there any tap that is leaking or dripping?

**Answer:**

No

**Question 9:**

Are the toilets kept clean?

**Answer:**

Yes

**Find out and Write**

**Question 1:**

How many boys and girls are there in your school?

Girls

Boys

**Answer:**



Girls 112

Boys 238

**Question 2:**

How many toilets are there for girls, and how many for boys?

Girls

Boys

**Answer:**

Girls

Boys

**Question 3:**

If there are no taps, who bring the water for the toilet? From where does the water have to be brought?

**Answer:**

If there are no taps, students are supposed to tell the cleaning staff. They fetch water from the hand pumps.

**Question 4:**

Who keeps the place clean?

**Answer:**

The place is kept clean by the cleaning staff.

**Talk about It**

**Question 1:**

What can be done to keep the toilets clean?

**Answer:**

The toilets can be kept clean by flushing properly every time one uses the toilets, as well as washing the toilets on a daily basis.

**Question 2:**

What can each of us do for this?

**Answer:**

Each one of us can maintain the cleanliness of the toilets by flushing them properly every time we use the toilets.

**Question 3:**

Have you seen toilets at bus stands or railway stations? How are they different from the toilets at home?

**Answer:**

Yes, I have seen toilets at bus stands and railway stations. They are used by a lot of people. They are not kept as clean as the ones in our schools and homes.

### Question 1:

Talk with the children in your class and fill in the table given below. In the last few months, how many children in the class have suffered from any of these? Write the names of the children in the correct columns

S. No.	Diarrhoea Loose motions	Vomiting	Loose motion and vomiting	Yellow urine, Yellow skin, Fever	Stomach ache
1.					
2.					
3.					
4.					
5.					

### Answer:

S. No.	Diarrhoea Loose motions	Vomiting	Loose motion and vomiting	Yellow urine, Yellow skin, Fever	Stomach ache
1.	Raghav	Jyoti	Atul	Kevin	Priya
2.	Stuti	Mithun	Shriya	Palak	Vandana
3.	Boman	Naman			Dalvin
4.					Radha
5.					Srishti

## Fill in the blanks

- (i) **Too much** or **contaminated** water can harm our body.
- (ii) Water should be used **wisely** as fresh water is **limited**.
- (iii) A patient suffering from **diarrhea** loses a lot of water from his body.
- (iv) **Boiling** is the best way to make water germ-free.
- (v) **Watersheds** help in the recycling of rainwater.