

Chapter 2

States of Matter

I. Choose the correct answer.

Question 1.

Which is the main source of water? :

- (a) Lake
- (b) Sea
- (c) Rain

Answer:

- (c) Rain

Question 2.

_____ of the water in the entire Earth is freshwater.

- (a) 3%
- (b) 0.3%
- (c) 30%

Answer:

- (a) 3%

Question 3.

By _____ water, we can kill the germs.

- (a) boiling
- (b) cooling
- (c) filtering

Answer:

- (a) boiling

Question 4.

Which of these is not true?

- (a) Plants and animals need water too
- (b) We should always wastewater
- (c) We should use water carefully
- (d) Water is precious

Answer:

- (b) We should always wastewater

Question 5.

Where does the rainwater go after falling on the ground?

1. Seeps into the ground
2. Plants absorb the water
3. Mingles with sea and ocean

4. Mixes with lake and pond

(a) 1 and 2

(b) 1, 3 and 4

(c) 1, 2, 3 and 4

Answer:

(c) 1, 2, 3 and 4

II. Fill in the blanks.

Question 1.

Drinking water is known as _____. (pot water / potable water)

Answer:

potable water

Question 2.

Water that collects in the low lying areas is called _____. (sea / lake)

Answer:

lake

Question 3.

It is our _____ to keep the public water resources clean. (responsibility / work)

Answer:

responsibility

Question 4.

The largest source of water on the earth is _____. (river / sea)

Answer:

sea

III. Circle the odd one.

Question 1.

a) Lake

b) Hill

c) Pond

d) Sea

Answer:

b) Hill

Question 2.

a) Lily

b) Lotus

c) Rose

d) Water Hyacinth

Answer:

c) Rose

Question 3.

- a) Fish
- b) Horse
- c) Tiger
- d) Cow

Answer:

a) Fish

Question 4.

- a) Bathing
- b) Combing
- c) Swimming
- d) Washing

Answer:

b) Combing

IV. Write true or false.

Question 1.

Living things do not need water.

Answer:

False

Question 2.

Saving water is our duty.

Answer:

True

Question 3.

Always close the water tap while brushing teeth.

Answer:

True

Question 4.

A tank is a large area to store water compared to reservoirs.

Answer:

False

V. Answer in one or two sentences:

Question 1.

Write any three different sources of water.

Answer:

1. Rain
2. Well
3. River

Question 2.

Write the symptoms of dengue.

Answer:

1. Severe headache
2. Rashes on the arms and the legs
3. Extreme tiredness
4. Sudden onset of fever that lasts 3 – 7 days

Question 3.

Write any two diseases that is spread by mosquitoes.

Answer:

1. Malaria
2. Dengue Fever

VI. Answer the following.

Question 1.

Why is water known as primary source of life?

Answer:

- All living things like small organisms, plants, and animals need water to survive.
- People use water for various purposes. So, water is known as a primary source of life.

Question 2.

Suggest some ways to save water at home.

Answer:

Some methods to prevent wastage of water.

1. Never allow water to overflow from buckets.
2. Wash fruits and vegetables in a bowl of water and not under running tap water.
3. Always close the taps while brushing the teeth.
4. Use left over water in your water bottle to water a potted plant.
5. Turn off the tap after each use.
6. Use a sprinkler to water the garden.

Question 3.

List out the ways to conserve water bodies.

Answer:

Methods to Conserve Water Bodies

- Deepening of ponds and lakes
- Plant trees at the bank of the lake and pond
- Reduce water pollution
- Avoid digging too many wells in a region.

VII. Think and answer.

Question 1.

How will you avoid wastage of water in your school?

Answer:

1. We have to turn off the tap as soon as we wash our hands.
2. Leakages from the taps have to be repaired immediately.
3. Avoid flushing the toilet unnecessarily.
4. Use a refillable water bottle.
5. Pour leftover water onto the garden.
6. Wash the tiffin boxes in a bowl of water.
7. Raise awareness of the importance of water by creating colorful posters on water saving.

Question 2.

Write some slogans to save water.

Answer:

1. Save water and it will save you.
2. Life starts with water.
3. Water is more precious than Gold.
4. Put a Stop to the Water Drop.
5. Life is impossible without water.
6. Save water secure the future.
7. Conserve water, every drop counts!
8. Saving water can save the world.
9. Imagine one day without water.
10. Do your share to care water.

In-Text Activity:

Let us Write (Text Book Page No. 49):

Observe the picture and fill in the blanks.

Question 1.



We need water to _____ our face.

Answer:

wash

Question 2.



We need water to _____ our teeth.

Answer:

brush

Question 3.



We need water to _____ our food.

Answer:

cook

Question 4.



We need water to _____ our vessels.

Answer:

wash

Question 5.



We need water to _____.

Answer:

drink

Let us Do (Text Book Page No. 49):

- | | | | | | |
|--------------|--------------------------|-------------------|--------------------------|----------------|--------------------------|
| To play | <input type="checkbox"/> | To grow plant | <input type="checkbox"/> | To row a boat | <input type="checkbox"/> |
| To sing | <input type="checkbox"/> | To write | <input type="checkbox"/> | To knead dough | <input type="checkbox"/> |
| To run a fan | <input type="checkbox"/> | To paint pictures | <input type="checkbox"/> | To wash dress | <input type="checkbox"/> |

Answer:

- | | | | | | |
|--------------|--------------------------|-------------------|-------------------------------------|----------------|-------------------------------------|
| To play | <input type="checkbox"/> | To grow plant | <input checked="" type="checkbox"/> | To row a boat | <input checked="" type="checkbox"/> |
| To sing | <input type="checkbox"/> | To write | <input type="checkbox"/> | To knead dough | <input checked="" type="checkbox"/> |
| To run a fan | <input type="checkbox"/> | To paint pictures | <input checked="" type="checkbox"/> | To wash dress | <input checked="" type="checkbox"/> |

B. Name any four activities which you can do without water.

Answer:

- reading
- singing
- dancing
- walking

Let us Discuss (Text Book Page No. 50):

We find animals in the picture near a water source. Why they are gathered here?



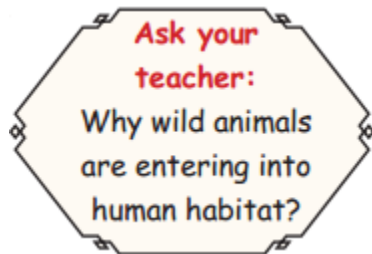
Answer:

They are gathered near the water source to drink water.

Write few lines about the picture.

Answer:

There are elephants, zebra, deer, squirrel, porcupine, pig in this picture. When they are thirsty, they come to a stream to drink water. Wild animals need water. Hence, they come to water bodies in the forests, Just like us, animals too drink water when they are thirsty.



Answer:

Wild animals are entering into human habitat because they are losing their natural habitat. People have occupied the forest lands by cutting trees.

Animals get disturbed due to deforestation and urbanization around the forest area. So, the wild animals are coming out of their natural habitat. Usually they come out to the residential areas in search of food and water in summer.

Let us write (Text Book Page No. 51):

Rearrange the jumbled letters to find out the different sources of water.

E.g. Rain (anir)

Question 1.

_____ (a l k e)

Answer:

Lake

Question 2.

_____ (o p d n)

Answer:

Pond

Question 3.

_____ (m e r a t s)

Answer:

Stream

Question 4.

_____ (e l l w)

Answer:
Well

Question 5.
_____ (e a s)

Answer:
Sea

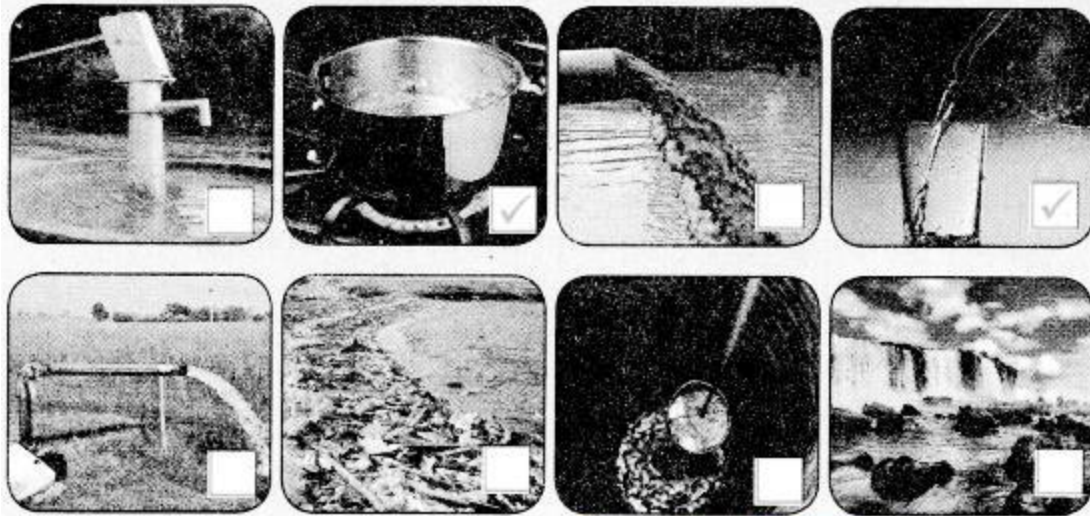
Question 6.
_____ (o n a e c)

Answer:
Ocean

Let us Discuss (Text Book Page No. 51):



Answer:



1. Water from Hand Water Pump:
We have to boil the water and use for drinking.

2. Boiled water:
Good for drinking.

3. Sewage water is disposed of directly into the river:
In this way, the river water is polluted.

4. Pure water kept in jugs:
Good for drinking.

5. Water for irrigation purpose:
If we want to drink it, it should be boiled.

6. Water at riverside:
It is polluted and contaminated by plastic and other waste materials.

7. Well water:
Though it is good, it is advised to boil it and use for drinking purposes.

8. Water from the waterfall :
It is not good for drinking. Any outdoor water source, except rain/snow, is likely to be contaminated with parasites.

Try to Answer (Text Book Page No. 51):

I freeze when I am cold and
I fall softly as snow,

I melt in the sun and down the mountain I flow.

Who am I? _____

Answer:

Water

Try to Answer (Text Book Page No. 53):

Question 1.

Write some activities through which we can save water.

Answer:

1. Check taps and pipes for leaks.
2. Turn off the water while brushing your teeth.
3. Clean the vegetables in a bowl or sink full of clean water instead of cleaning directly under the tap.
4. Use a broom to clean verandah, and steps instead of cleaning with a water hose.
5. Rainwater harvesting is a good way to save water.

Let us Do (Text Book Page No. 53):

Answer the following **Questions** by putting a tick (✓) If your answer is different from all of the given Pictures, write its name in the empty box.

Question 1.

Which one do you use to drink water?



Answer:



Question 2.

Which of these is used to store drinking water at your home?



Answer:



Question 3.

Where do you get your drinking water from?



Answer:



Discuss with your friends and write. What will happen, if you drink unclean water? (Text Book Page No. 56):

Answer:

If we drink uncleaned, polluted, contaminated water, we will suffer due to several kinds of waterborne diseases, such as-

- Cholera
- Diarrhea
- Typhoid
- Hepatitis A
- Jaundice

Microorganisms such as virus, bacteria, etc. are present in impure water.

These diseases can be life-taking as they are harmful to our immune system also.

Let us Do (Text Book Page No. 53):

A. What are the activities to save water? If true put (✓). if false put (X).

Question 1.

We should wash our vehicles everyday.

Answer:

X

Question 2.

Planting more trees leads to rain fall.

Answer:

✓

Question 3.

We can bathe in shower to save water.

Answer:

X

Question 4.

It is necessary to collect rain water.

Answer:

✓

B. Look at the pictures and answer the following.



If we fill them with water

Question 1.

Which will contain less water?

Answer:

B

Question 2.

Which will contain more water?

Answer:

A

Question 3.

How could you tell?

Answer:

I could tell after seeing the size of the container.