CBSE Class 4 EVS
NCERT Solutions
Chapter 13
A River's Tale

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Q.1. Look carefully at the picture of the river. Read the words given below. Use these words to make a story. Give a title to your story also.

Boat, flowing water, blue, fish, water-plants, river, foul, smell, big ship, oil, river banks, factories, washing clothes, animals, other work, change, city.

A River's Agony

Ans. Flowing water in the river brings the memory of old times in the mind of river. Gone are the days when she used to be happy,. Dancing and flowing all the way to the sea. She was greeted by lash green crop fields in the river bank. White fishes playing in the blue water was a real treat to eyes. People used boats to cross and catch fishes. Now things have changed. The waste chemicals having foul smell are thrown into river water. Big ships which burn and spill oil, run on river. These kill the water-plants. Washing clothes, bathing animals and other works add salt to the injury. All wastes from city are dumped into the river.

All these changes made river unhappy. The golden memories of old days bring tears to the river.

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Q.1. Look at the picture again and answer the following questions:

What is the colour of the river where it begins?

Ans. It is colourless.

Q.2. At some places, there are many fishes in the river, at some places there are few, and in some there are dead fish. What could be the reason for this? Discuss.

Ans. The fishes need fresh and water. People throw their useless materials into water. The water at that place becomes unfit for fishes.

Q.3. What can be seen in the river before it reaches the village?

Ans. Large number of fishes can be seen because water is pure and fresh.

Q.4. At which places did the colour of the river water change? Why did this happen? Discuss.

Ans. The colour of the river changes where there are factory nearby. This is because factory water are dumped into river.

Q.5. Which of the places shown in the picture would you like to live in? Why?

Ans. I would like to live in the place shown in the lower figure. It is more clean.

Q.6. Would you like to change any of the things that you see in the picture? Why? How?

Ans. I would like to remove the waste material from the bank of the river. This is because, these wastes will contaminate the water.

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Q.1. If you wanted to drink some water, from which part of the river would you like to drink? Why?

Ans. I would like to drink water from a little deep below the surface. There is less dirty.

Q.2. In the last part of this picture the river flows into the sea. Have you ever seen the sea? Where? In a film, or anywhere else?

Ans. I have seen sea in Puri.

Q.3. Have you ever been near a river or sea? When?

Ans. I was near the river Ganges with my parents when I was in the 3rd standard.

Q.4. How do the sea waves move?

Ans. The sea waves move up and down.

Q.5. Can you drink the sea water? Why?

Ans. We can't drink sea water. It is very salty.

Q.6. Do you think that there would be some changes that take place in a river, pond, or stream, throughout the year? What kind of changes may take place? Discuss.

Ans. Yes. During the rainy season, there is maximum water. During winters, there is very little water. Pond, stream, etc. may even get dry.

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Q.1. Will there be the same amount of water in the ponds/rivers during the rainy season, and in the summer?

Ans. No, there is more water in the rainy season.

Q.2. Is there a pond, river or lake near your town or city?

(i) Are there any changes in the water in summer, rainy season or winter?

Ans. During rainy season, there is more water. The water becomes more muddy. In winter and starting of summer, there is very little water in ponds, some may even dry up.

(ii) What kinds of fishes are found there?

Ans. There are many kinds of fishes, small as well as big.

(iii) What kind of trees and plants grow around there?

Ans. Grass, banana, etc.

(iv) What kind of birds come there?

Ans. Many kinds of birds, mainly carnivorous birds like eagle etc.

(v) Have you ever seen or read or heard about floods? Where?

Ans. I have heard about flood in Mumbai and Assam. I have seen in TV news also.

(vi) What happens when there is a flood?

Ans. There is excess of water everywhere. Water enters even in houses. People suffer a lot.

(vii) Have you seen dirty water in a river or pond?

Ans. Yes.

(viii) How can you know if the water is dirty? If the water looks clean, can you be sure that it is alright to drink that water? Discuss.

Ans. Pure water is clean and clear. Dirty water is not so. Even if the water looks clean, it may not be alright to drink that water. It may contain germs that causes diseases.

How does Water become Dirty? (Page 110)

Q.1. From where do you get your drinking water? A river or a lake? Do you think that like the river in the picture your river or lake can also be affected?

Ans. From a river. Yes, the same thing may happen to our river also.

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Q.1. Put (tick) mark in the right places.

Things	Dissolved (mixed) in water	Did not dissolve in water	Colour of water changes	Colour of water does not change
Sugar	✓			✓
Salt	✓			✓
Lemon juice	✓			✓
Haldi		✓	✓	
Soap water	✓		✓	
Flour		✓	✓	
Dal		✓	✓	
Sherbet	✓		✓	
Cooking soda	✓			✓
Oil (Mustard, *Til* or any other)			✓	

Q.2. Now based on your observation tell:

(i) Do all thing dissolve in water?

Ans. No.

(ii) Does the colour of the water always change?

Ans. No.

(iii) Imagine how it could be if nothing like sugar, salt, lemon juice, sherbet, etc. Could dissolve in water!

Ans. We would not be able to have drinks, tea, cook food and many more.

(iv) Imagine how it would be if things like stones, chalk, salt, lemon juice, sherbet, etc. could dissolve in water!

Ans. Everything would be dissolved in rain water. There would be nothing remaining in this world.

Q.3. How is drinking water made clean in your house?

Ans. In our house, first of all, alum is added to water. The mud settles down. The water is then poured into filter. Chlorine tablet is also added to this water.

Q.4. Find out about different ways by which water can be made clean.

Ans. Adding alum, filtering, adding chlorine, etc.

Q.5. Draw pictures showing any two ways.

Ans.