

LESSON PLAN**SPECIFIC OBJECTIVES**

The students will learn about

- ✧ water – an important natural resource
- ✧ uses of water
- ✧ sources of water
- ✧ states of water
- ✧ water cycle
- ✧ water as a disaster
- ✧ conservation of water

TEACHING AIDS

Pictures/charts/models/animation on uses of water at home; different other uses of water, a waterbody; three physical states of water; water cycle; crop and people affected by flood; drought-affected field; ways to conserve water; rainwater harvesting (all as given in chapter).

LESSON PLAN

- ✧ The teacher will start the chapter with Gear Up discussing the questions asked in the section.
- ✧ Teacher should explain the importance and uses of water.
- ✧ Teacher should discuss the agricultural use of water with the help of Activity 1.
- ✧ Teacher should discuss different sources of water and explain three physical states of water.
- ✧ Teacher should define the processes of freezing, evaporation and condensation and explain interconversion of three physical states of water.
- ✧ Teacher should discuss the effect of temperature on evaporation by performing Activity 2.
- ✧ Teacher should explain condensation by performing Activity 3.
- ✧ The teacher should discuss about water cycle taking place in nature.
- ✧ Teacher should also discuss water as a disaster.
- ✧ Students should be asked to perform Activity 4.

- ✧ Teacher should define rainwater harvesting and tell the measures to conserve water.
- ✧ Students should be asked to solve Check Points 1 and 2.
- ✧ At last, the teacher will sum up the lesson by going through the points given under the head 'Wrap Up Now'.
- ✧ The teacher will help the students to solve the questions given in exercises under the head 'Practice Time' and will also discuss the topics given under the head 'Formative Tasks'.

BOOST UP

- ✧ The teacher should call students one-by-one to write one domestic, one agricultural and one industrial use of water on the board.
- ✧ Students should also be asked to write the names of sources of water on the board. They should also be asked to tell the states of water.
- ✧ Students should be asked to define evaporation and condensation.
- ✧ They should also be asked to draw water cycle in their notebook.
- ✧ Teacher may discuss the causes of flood and drought.

EXPECTED LEARNING OUTCOMES

The students understand and know the

- ✧ necessity of water for all living beings.
- ✧ uses of water.
- ✧ sources of water.
- ✧ three states of water, i.e., ice as solid, water as liquid and water vapour as gas.
- ✧ interconversion of three states of water.
- ✧ evaporation and condensation.
- ✧ water cycle.
- ✧ water as a disaster.
- ✧ conservation of water.
- ✧ importance of rainwater harvesting.

EVALUATIVE QUESTIONS

The teacher may ask the following questions for evaluating the understanding of students:

1. Why is water called an important natural resource?
2. Mention few important uses of water.
3. What is the pure form of water?
4. Define water table.
5. What is the difference between evaporation and condensation?
6. How is water cycle formed?
7. Mention few ways to conserve water.