



# 2

# Matter

## LESSON PLAN

### SPECIFIC OBJECTIVES

The students learn about

- ✧ matter and its composition, its features in three states
- ✧ physical and chemical changes

### TEACHING AIDS

Pictures/animation on three physical states of water (solid, liquid, gas) and molecular arrangement in three different states; formation of molecules (of different and same type of atoms); matchsticks, rubberband, incense stick

### LESSON PLAN

- ✧ Teacher will start the chapter with 'Warm Up' section by asking some questions on the three physical states of matter based on previous knowledge of students and help them to fill in the given boxes.
- ✧ Now, teacher will make students recall the features of matter that they learnt in previous class, i.e., matter has weight and occupies space.
- ✧ With the help of teaching aids, teacher will explain the features of three different physical states of matter (as given in table in chapter).
- ✧ With the help of teaching aids, teacher will explain that all matter is made of atoms and molecules.
- ✧ Now, to check the understanding of students about the topic, teacher will ask them to solve 'Checkpoint 1'.
- ✧ With the help of teaching aids and Activity 1, teacher will explain physical changes, chemical changes and their characteristics features (as given in chapter).
- ✧ Now, teacher will ask students to solve 'Checkpoint 2'.
- ✧ The teacher will sum up the chapter by going through the points given under the head 'At One Go'.
- ✧ Finally, the teacher will help students to solve all the exercises given under the head 'Check Your Study'.

### BOOST UP

- ✧ While teaching physical and chemical changes, teacher should demonstrate some examples as given in the chapter.
- ✧ Teacher should also give some more examples on changes in matter other than those given in chapter.

### **EXPECTED LEARNING OUTCOMES**

The students

- ✧ know about matter and its composition.
- ✧ can differentiate between three states of matter.
- ✧ can distinguish between physical and chemical changes.

### **EVALUATIVE QUESTIONS**

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

1. What are the features of matter?
2. What are three states of matter?
3. Which state of matter cannot flow?
4. What is a material composed of?
5. In which change substance remains the same?
6. In which change no new substance is formed?

