



Floating, Dissolving and Mixing

LESSON PLAN

SPECIFIC OBJECTIVES

The students will learn about

- ▶ the three states of matter
- ▶ solution
- ▶ insoluble substances
- ▶ floating and sinking objects
- ▶ gases in liquids

TEACHING AIDS

Iron nail, paper, leaf, key, piece of wood, empty plastic bottle and a bottle filled with water, blackboard, chalk, duster and digital content.

TEACHING STRATEGY

- ▶ Discuss about the three states of matter after the students have done the Warm Up activity.
- ▶ Explain why water is considered a universal solvent.
- ▶ You can demonstrate how sugar or salt dissolve in water in the class.
- ▶ Tell the students that many gases like oxygen, nitrogen and carbon dioxide dissolve in water.
- ▶ Tell about the characteristics of liquids.
- ▶ Sum up the chapter by going through the points under the head 'Remember'.
- ▶ Finally, help the students do all the exercises.

BOOST UP

- ▶ You can demonstrate that some things sink in water and some things float in water.

EXPECTED LEARNING OUTCOMES

The students are able to learn about

- ▶ universal solvent solution.
- ▶ things soluble/insoluble in water.
- ▶ floating and sinking objects.
- ▶ gases that dissolve in water.

EVALUATIVE QUESTIONS

The teachers may ask the following questions to evaluate their students.

1. Why water is called a universal solvent?
2. Which gas is dissolved in soda water?
3. What are the characteristics of liquids?