

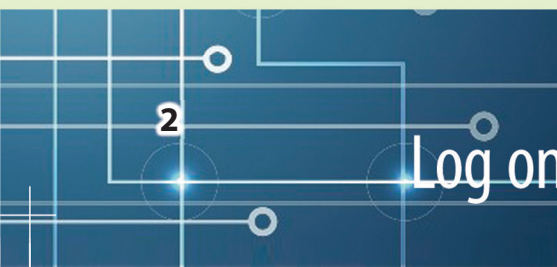
# SUPPLEMENTAL LESSONS

Science Grade 8  
3rd Quarter



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# 3rd Quarter Grade 8

## Revised Standards on Matter

**Learning Competency:** Explain physical changes in terms of the arrangement and motion of atoms and molecules

**Lesson Focus:** Physical Changes in States of Matter

### Introduction

#### Activating Prior Knowledge

1. Picture Cluster

The students were assigned to bring cutout pictures of examples of solid, liquid, and gas. They will put all the pictures on the table. The students will be asked to group themselves into three. Group 1 will select all solid pictures, group 2 for liquids, and group 3 for gases. They will post their pictures on the board.

2. Socialized Recitation

Let the students express their understanding by answering the following questions:

- What are the characteristics of solid, liquid, and gas?
- Describe the shape of solid, liquid and gas.
- How do the molecules arrange in solid, liquid and gas?

### Body

1. Heating Experiment (Materials: ice cube, beaker, hot plate)

The students will go back to their respective groups. They will observe the physical properties of the ice cube. They will put the ice cube on the beaker and place it on the hot plate. They will observe what will happen to the ice cube. They will let the liquid boil and turn into steam. They will describe the characteristics of steam.

2. Theatre "Performance Level"

The students will stay with their group. They will act like the properties of the three states of matter. Group one will act out the characteristics of solid, group two for liquid, and group three for gas. They will describe the arrangement and motion of the molecules in solid, liquid, and gas.

### Conclusion

#### Draw the Model

The students will draw on a ½ sheet of paper the molecules of solid, liquid, and gas. They will describe and compare the arrangement and movement of the molecules in solid, liquid, and gas.