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DepED
DEPARTMENT OF EDUCATION

# Learning Activity Sheet for Science

Quarter 1

Lesson

2

**Learning Activity Sheet for Science Grade 5**
**Quarter 1: Lesson 2 (Week 2)**
**SY 2025-2026**



**Development Team**

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**LEARNING ACTIVITY SHEET 1**

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|---|---|---|---|
| **Learning Area:** | Science | **Quarter:** | 1st Quarter |
| **Lesson No.:** | 1 | **Date:** | |
| **Lesson Title/ Topic:** | **Properties of Matter** | | |
| **Name:** | | **Grade & Section:** | |

**I. Activity No. 1: *"Observing the Shape of the Three States of Matter"* (40 Minutes)**

**II. Objective(s):**

A. Describe the properties of solids, liquids, and gases in terms of shape; and

B. Differentiate the distinct shapes exhibited by the three states of matter (solid, liquid, and gas) through hands-on exploration and observation.

**III. Materials Needed:**

A stone

Water

Three balloons

**IV. Instructions:**

1. Gather and work in group.
2. Together with your teammates, perform the activity.
3. Procedure:
    1. Put the stone into the balloon and tie the top of the balloon. Fill the second balloon with water. Blow up the third balloon. Tie the mouth of the balloons.
    2. Press the stone, water, and air in the balloons and observe the changes in their shape.
    3. Based on your observations, answer the following questions:
        a. What happened to the shape of the stone when you pressed it?
        _____
        b. What happened to the shape of the liquid when you pressed it?
        _____
        c. What happened to the shape of the gas in the balloon when you pressed it?
        _____
        d. What shape do solid, liquid, and gas have?
        Solid - _____
        Liquid - _____
        Gas - _____
        e. How similar or different is the shape of the three states of matter?
        _____
    4. Share your findings with your classmates. Discuss how the shape of the three states of matter is similar or different.

**V. Synthesis/Extended Practice/Differentiation (if needed):**

**LEARNING ACTIVITY SHEET 2**

| | | | |
|---|---|---|---|
| **Learning Area:** | Science | Quarter: | 1st Quarter |
| **Lesson No.:** | 1 | Date: | |
| **Lesson Title/ Topic:** | **Properties of Matter** | | |
| **Name:** | | **Grade & Section:** | |

**I. Activity No. 2: "*Exploring Volume as a Property of Solids, Liquids, and Gases*" (30 Minutes)**

**II. Objective(s):**

A. Describe the properties of solids, liquids, and gases in terms of volume; and
B. Differentiate the distinct volume exhibited by the three states of matter (solid, liquid, and gas) through hands-on exploration and observation.

**III. Materials Needed:**

Three clear containers (preferably of the same size and shape)
Water
A few solid objects (such as marbles, coins, or beads)
A balloon
Measuring cup
Marker or pen

**IV. Instructions:**

1. Gather and work in group.
2. Together with your teammates, perform the activity.
3. Procedure
    1. Place solid objects in the first container.
    2. Measure the volume of water using a measuring cup. Pour the water into the second container.
    3. Inflate the balloon to a moderate size.
    4. Observe and present your findings to the class.
    5. Based on your observations, answer the following questions:
        *A. Observing the Volume of Solids*
        a. Describe the solid objects you observed in the container.

        _____

        b. How did the solid objects fit into the container? Were there any gaps or spaces between them?

        _____

        c. Did the volume of the solid objects change when they were placed in the container compared to when they were outside the container?

        _____

        _____

        d. Based on this activity can we conclude that solid has a definite volume?

_____

*B. Observing the Volume of Liquids*

a. Describe the container filled with water. Did the water completely fill the container?

_____

b. How did the water take the shape of the container? Did it fill all the corners and edges?

_____

_____

c. How did you measure the volume of the water in the container? What unit of measurement did you use?

_____

_____

d. Did the volume of the water change when you poured it into the container compared to when it was in the measuring cup?

_____

_____

e. Based on this activity, can we conclude that liquid has a definite volume?

_____

*C. Observing the Volume of Gases*

a. Describe the inflated balloon. How did it appear in terms of volume?

_____

_____

b. Did the balloon completely fill with air?

_____

c. Did the volume of the balloon change when you inflated it compared to when it was deflated?

_____

d. Based on this activity, what can we conclude about the volume of gas?

_____

**V. Synthesis/Extended Practice/Differentiation (if needed):**