



Republic of the Philippines
Department of Education
Negros Island Region
DIVISION OF SILAY CITY
City of Silay



SPECIAL SCIENCE
ELEMENTARY SCHOOL
(SSES)

ACTIVITY SHEETS
IN SCIENCE 1

Prepared by:

MRS. SUZETTE CALSA
Teacher III
Silay South Elementary School



Republic of the Philippines
Department of Education
Negros Island Region
Division of Silay City



LEARNING RESOURCES MANAGEMENT AND DEVELOPMENT SYSTEM
City of Silay

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Activity 1

Matter

- Objective: Classify materials according to their physical properties.
- Materials:

Any fruit

An arm chair

A stone

A glass of water

Any bottle of juice

A ball

A piece of cotton ball

A sand paper

- Procedure:

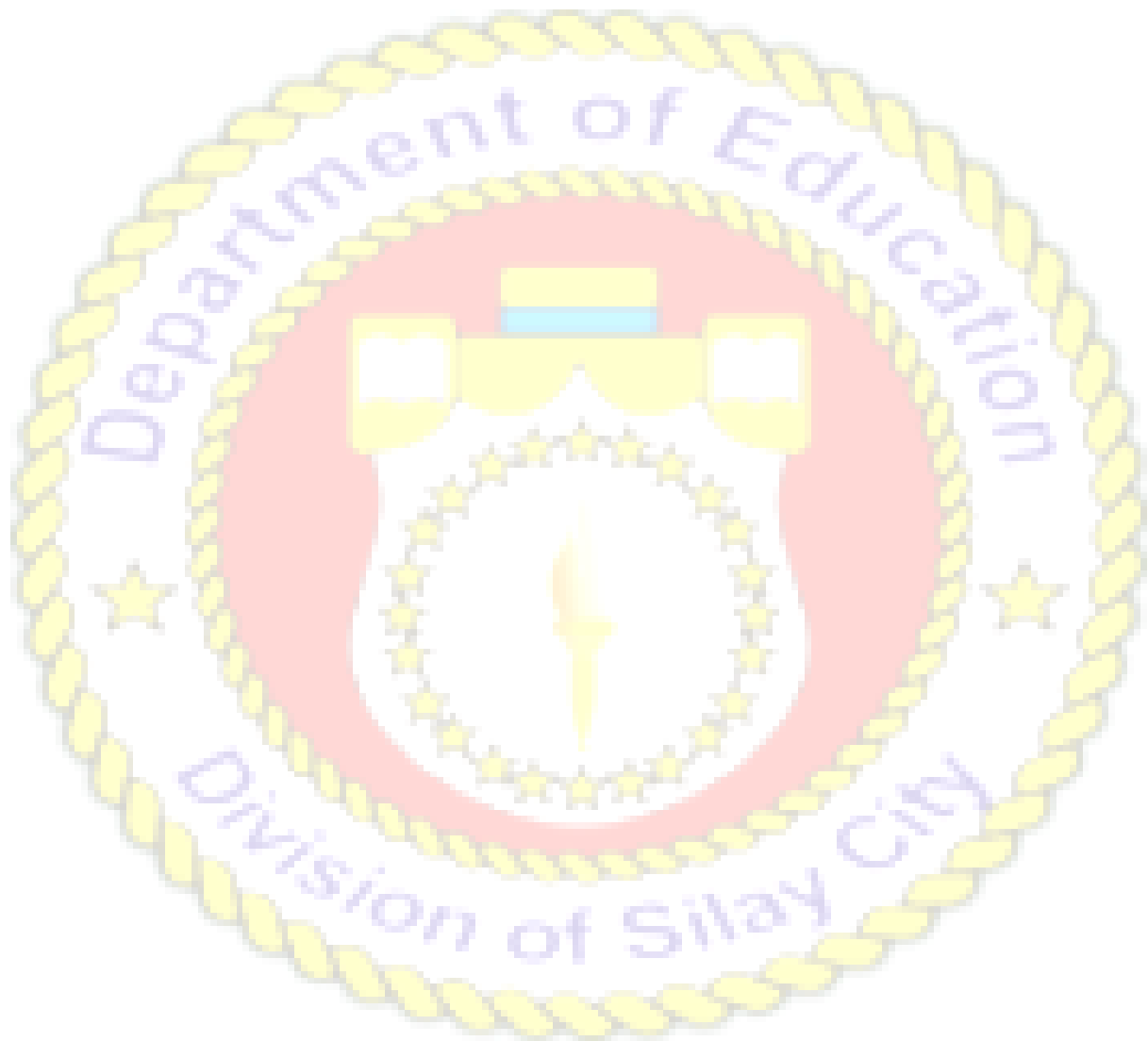
1. Observe each object or material.
2. Observe each of their properties or characteristics.
3. Write your observation in the chart below.
4. What have you found out?

Materials	Color	Shape	Weight	Texture
Cotton				
Ball				
Juice				
Arm chair				
<hr style="width: 80%; margin: 0 auto;"/> (Name of fruit)				
Stone				
Water				
Sand Paper				

- Challenge:

1. In what ways are the objects or materials similar? Different?

2. Based on your activity, how do we classify physical properties of matter?



Activity 2

Similarities and Differences of Matter

- Objective: Identify similarities and differences of matter based on the given materials.
- Materials:

Pillows	Globe
Liquid soap	Books
Ball	Cotton balls
Colored Plates	Chalk
Sandpaper	Rock

- Procedure:
 1. Observe the materials on the table.

Materials	Color	Shape	Weight	Texture

2. List down all the materials using the chart below.

- Challenge:

1. Which materials have the same shape?

2. Which materials have different colors?

3. Which materials are smooth?

4. How are they similar?

5. How are they different?

ACTIVITY 3

Matter

- Objective: Show that matter has mass.
- Materials:

Beam balance

Any fruits

Bond papers

Marbles

Scissors

Two cups of Rice

Cup of Sugar

Cotton balls

- Procedure:

1. Form a group with six members.
2. Weigh the materials and record their mass on the chart below.

Materials	Mass (grams)

- Challenge:

1. Which material is the heaviest?

2. Which material is lightest?

3. Which materials are the same in mass?

ACTIVITY 4

Matter

- Objectives: 1. Show that matter has volume.

2. Display accuracy in measuring volume.

- Materials:

Graduated cylinder

Measuring cup

Transparent plastic drinking glass

Basin

Container with water

Medicine cup

Juice

- Procedure:

1. Your teacher will show you how to conduct the experiment.

Follow his/her instructions.

- Pour the water in the transparent drinking glass inside the basin.
- Measure its volume using a graduated cylinder. Your teacher will demonstrate how to read the volume. Record the volume.
- Repeat procedures a to b. This time use juice using the medicine cup and measuring cup.

- Challenge:

1. What is the volume of water using the graduated cylinder?

2. What is the volume of juice using the measuring cup?

3. What is the volume of juice using medicine cup?

ACTIVITY 5

Matter (Describing Solids)

- Objectives: 1. Describe solids.
2. Identify similarities and differences among solids.
- Materials:

Rubber band	Marshmallow
Blocks of wood	Marbles
Chalk	Cotton balls
3 different boxes	Garter
- Procedure:
 1. Put the different materials inside the different boxes. Do they change shape?
 2. Do they take up space? Write your answer on the report sheet.
 3. Touch the objects and describe them. Write your observations in the report sheet.

Solid	Has definite shape	Occupies space	Hard	Soft	Brittle	Stretchy
Rubber band						
Block of wood						
Chalk						
Marshmallow						
Marbles						
Cotton balls						
Garter						

Check (/) the box if the solid has the indicated properties.

- Challenge:
 1. What properties are common to all solid materials?

 2. Solids have specific properties. What are they?

 3. Based on the activity, how will you describe solids?

ACTIVITY 6

Matter

Describing Solids

- Objective: Identify the characteristics of liquids.
- Materials:
 - Plastic pitcher
 - Plastic cup
 - Bottle of water
 - Plastic glass
 - Different empty plastic bottles

- Procedure:
 1. Get a pitcher of water.
 2. Pour some water from the pitcher into a glass, a bottle and cup.
 3. Observe what happens to the shape of the water.

- Challenge:
 1. Describe the shape of water in different containers.

2. Can you hold the water in your hand? Why?

3. What can you say about the shape of the water when you put it into the plastic glass, bottle, and cup?

4. Did the plastic glass, bottle and cup get heavy when you poured water into them?

ACTIVITY 7

Matter

Describing Gas

- Objective: I identify the characteristics of gas.
- Materials:
Ice wrapper Balloon
Transparent plastic bag
- Procedure:
 1. Get a balloon, a plastic bag, and an ice wrapper. Describe its shape.
 2. Blow air into them.
 3. Observe what happens to the balloons, plastic bag and ice wrapper.

- Challenge:

1. What happened to the balloons, plastic bag and ice wrapper as you filled them with air?

2. What is the shape of the plastic bag as you filled it with air?

3. What is the shape of the balloon and ice wrapper as you filled them with air?

4. Did the balloons, plastic bag and ice wrapper get lighter or heavier when air was blown into them?

5. Can you see the air inside the balloon, transparent plastic bag and ice wrapper? Why?

