



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 5**

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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: Describe matter using qualitative and quantitative description.
- Materials:

2 candles with different colors

Matches

Ruler

Assorted colors of chalk

1 paper bill and peso coin

- Procedure:

1. Place the candles on the table. Light one candle using a match while the other one stays unlighted.
2. Get 2 pieces of chalk with different colors and compare them.
3. Compare a paper bill to a one peso coin.
4. Record your observations on the table.

Materials	Qualitative Description	Quantitative Description
1. A. Lighted Candle B. Unlit Candle		
2. A. Assorted Chalk		
3. A. Paper bill B. Coin		

- Challenge:

1. Based on the table, what are the qualitative observations? Quantitative observations?

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2. Identify ways to describe matter using qualitative and quantitative observations.

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## ACTIVITY 2

### Matter

- Objective: Compare and contrast objects using a Venn Diagram based on physical characteristics.

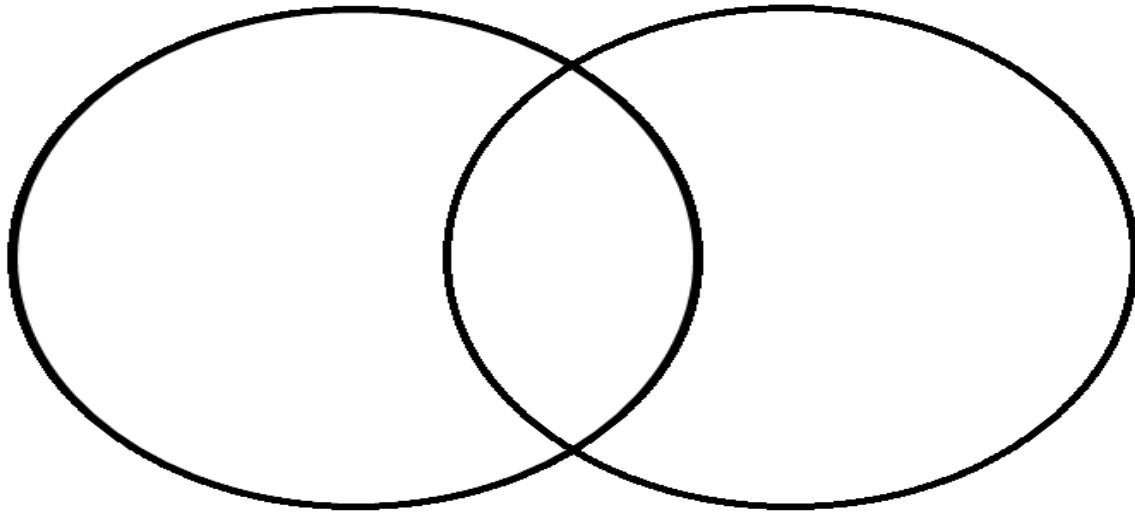
- Materials:

Picture of a chicken and a duck

- Procedure:

1.Examine the pictures carefully.

2.Based on your observations and prior knowledge about chicken and ducks, give their similarities and differences using a Venn diagram.



- Challenge:

1. Based on the diagram, what are the similarities and differences of the two animals?

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2. How did you determine their similarities and differences?

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## ACTIVITY 3

### Matter

- Objective: Classify measuring tools using one-level classification.
- Materials:

Pictures of the following materials:

Tape measure

Weighing scale

Platform balance

Medicine dropper

Beaker

Triple beam balance

Meter stick

Ruler

Measuring cup

Test tube

- Procedure:

Make one – level classification of materials listed above.



## ACTIVITY 4

### MIXTURE AND SOLUTIONS

- Objective: Infer, predict and hypothesize based on your observations.
- Materials:

Ice cube  
Glass  
Small plant

Paper twine  
Match

- Procedure:

1. Put an ice cube in a glass and wait for 2 minutes.
2. Get a match and burn the paper twine for 1 minute.
3. Pull the small plant from its container. Observe what will happen to the soil on its roots.
4. Complete the table below by writing your answers based on your observations.

<u>Observations</u>	<u>Inference</u>	<u>Prediction</u>	<u>Hypothesis</u>
1. An ice cube turns to liquid when put in a glass for 2 minutes.			
2. Length of paper twine decreased after burning it for 1 minute.			
3. Soil clings to the roots of a plant.			

## ACTIVITY 5

### GRAPHIC ORGANIZER

- Objective: Identify graphic organizers which best suit the given situation.
- Procedure:
  1. Choose graphic organizers which best suit the given situation.

Situation I

The effect of sunlight to human beings.

Situation II

Uses of plants

- Challenge:

1. Give 5 examples of graphic organizers.

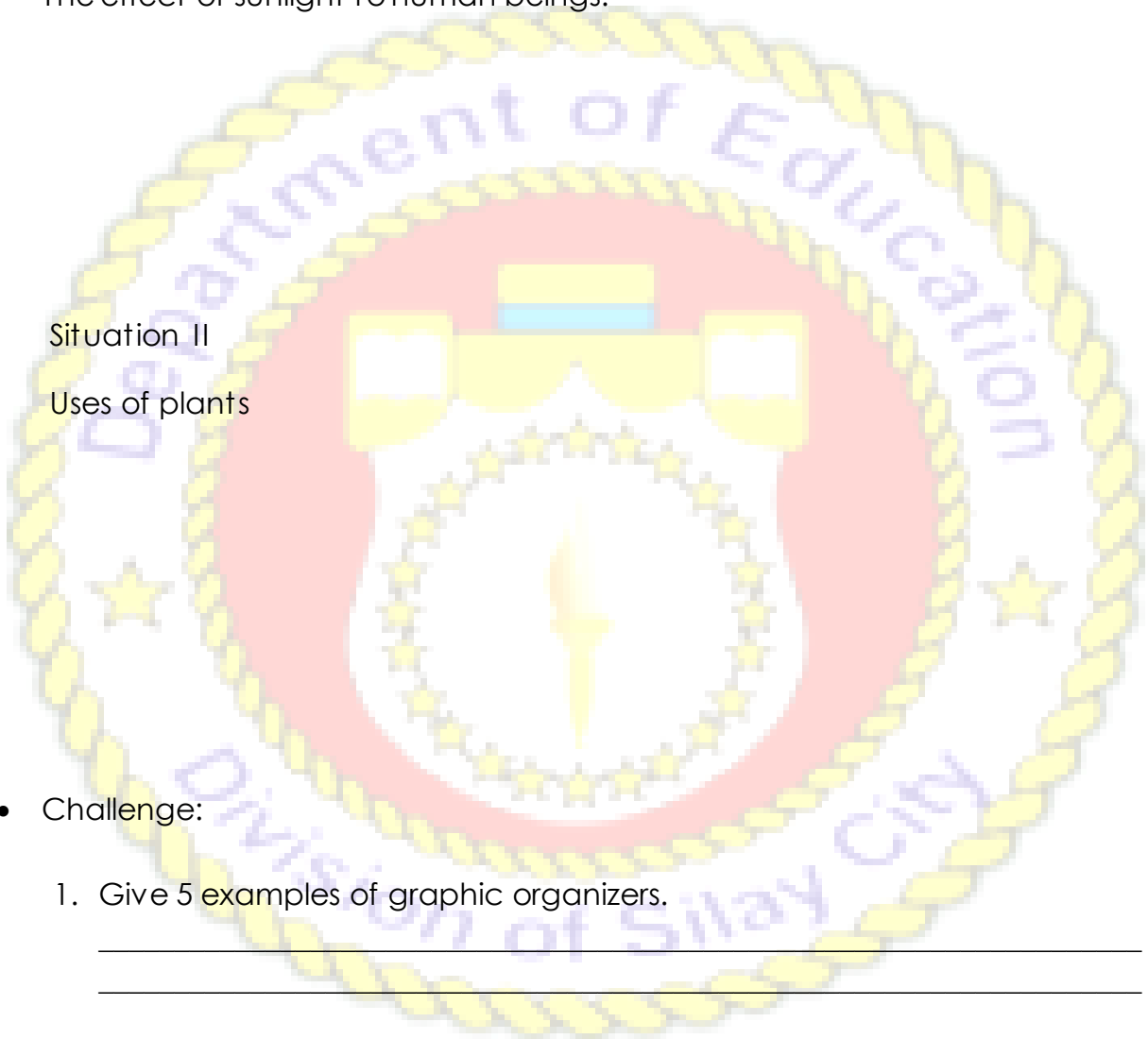
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2. Are graphic organizers important? Why? Why not?

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## ACTIVITY 6

### PROPERTIES OF MATTER

- Objective: Identify physical properties of matter.
- Materials:

Garter  
Broken glass  
Aluminum foil

Plastic ruler  
Stone

- Procedure:

1. Stretch a garter.
2. Bend the plastic ruler.
3. Examine a broken glass.
4. Touch and scratch the stone.
5. Fold an aluminum foil.

Based on the activity, tell the physical properties of the following materials.

<u>Garter</u>	<u>Plastic Ruler</u>	<u>Broken Glass</u>	<u>Stone</u>	<u>Aluminum foil</u>



- Challenge:

1. Based on the activity, list down the physical properties of each material.

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2. Give situation/s on how these physical properties of materials become Useful.

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## ACTIVITY 7

### PROPERTIES OF MATTER

- Objective: Classify matter according to chemical properties.
- Materials:

Rugby  
Paper  
Gasoline  
Charcoal  
Aluminum can

Insecticides  
Silver necklace  
Christmas lights  
Powdered bleach  
Paint thinner

- Procedure:

1. Classify the materials according to their chemical properties.
2. Write your answer in the appropriate boxes.
3. You may choose the material more than once.

<u>Explosibility</u>	<u>Corrosivity</u>
<u>Toxicity</u>	<u>Flammability</u>

- Challenge

1. How would you identify the chemical properties of a certain material/substance?

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2. How will you handle harmful materials/substances at home?

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## ACTIVITY 8

### 5 R's TECHNIQUES

- Objective: Identify the 5 R's Techniques in minimizing waste materials.
- Procedure:
  1. List down in the table below 10 possible waste materials found at home.
  2. Identify the 5 R's techniques that can be used to help in minimizing Waste materials.

<u>WASTE MATERIALS</u>	<u>5 R's TECHNIQUES</u>

- Challenge:
  1. As a grade V pupil, how can you help in minimizing waste materials at home, in school and in your community?

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2. How can these 5 R's techniques help in minimizing waste materials?

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## ACTIVITY 9

- Objective: Create a useful product out of local, recyclable materials.
- Materials:

Old magazine or wrapping paper  
Cereal box  
Glue / glue stick  
Plastic bottle  
Old / used maong pants

Empty bottles  
Ribbons  
Thread  
Needle  
Buttons (any color, any size)

- Procedure:
  1. Choose any of the listed materials above.
  2. Design a product using your chosen materials.
  3. Enhance the quality of your finished products using button and ribbons.
  4. Present your finished product/s.



Pen holder



Bag and paper weight



Coin bank

- Challenge:
  1. Based on your output, are these finished products useful? Why? Why not?

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