

5

Worksheet for Science

Quarter 1

WEEK

1

Worksheet for Science Grade 5
Quarter 1: Week 1
SY 2023-2024

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LEARNING ACTIVITY SHEET 1

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

1. Activity No. 1: “Gallery Walk: Knowing Matter More” (40 mins)**I. Objective(s):**

- a. Describe the characteristics of matter.

III. Materials Needed:

Station 1: cups, pebbles, water

Station 2: weighing scale, pebbles

Station 3: (any material of different colors and shape), table

Station 4: sandpaper, mirror, piece of glossy floor tile

IV. Instructions:

- Work in group.
- Together with your teammates perform the activity.
- Follow the procedure in the station assigned to your group.

Station 1:

- Put as many pebbles as possible into an empty cup. Observe the space inside the cup. Record your observations.
- Fill an empty cup half full of water. Observe the space inside the cup. Keep on pouring water into the cup. Observe the space inside the cup. Record your observations.
- Share your ideas with your classmates during the discussion.

Station 2:

- Put pebbles at one end of the weighing scale. Record what you observe with the other end. You may draw the position of the weighing scale.
- You may try adding the other end of the weighing scale and observe what happen.

Station 3:

- Look at the different materials on the table.
- On your paper, copy the table below and fill it out.

Name of the Material	Shape	Color

- Be sure to leave the area with the materials on the table properly arranged.

Station 4:

- Look at the materials on the table.

- Touch each material carefully. Through the table below, describe the materials.

Name of the Material	Texture

- Each group must be prepared to answer the guide questions for their assigned station.

Station 1:

1. When an empty cup was filled with pebbles, what happened to the space in the cup?
2. Can you add more pebbles into the cup after filling it up to its brim? Why?
3. When you filled the empty cup half-filled with water, what happened to the space in the cup?
4. When you kept on pouring water into the cup, what happened to the water? Why?
5. What can you say about space occupied by matter?

Station 2:

1. What did you observe when you placed the pebbles (other materials) at one end of the weighing scale?
2. What characteristic of matter is shown in this activity?

Station 3: Matter has shape and color.

1. What are the materials that you saw on the table?
2. Name the shapes of the materials found in the table. How about their colors?
3. Based on this activity, what can you say about matter?

Station 4: Matter has texture.

1. What are the materials you found on the table?
2. What can you say about the surface of the sandpaper? Piece of floor tile? Mirror?
3. Based on this activity, what can you say about matter?

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

Direction: Look for 10 materials found in your home. Through the table below, describe these materials.

Materials at home	Does it occupy space?	Does it have mass?	Color and Shape	Texture
1.				
2.				
3.				
4.				

5.				
6.				
7.				
8.				
9.				
10.				

LEARNING ACTIVITY SHEET 2

Learning Area:	Science	Quarter:	1st Quarter
Lesson No.:	2	Date:	
Lesson Title/ Topic:	The Three Phases of Matter		
Name:		Grade & Section:	

I. Activity No.2: “States of Matter in Action” (30 mins)

II. Objective(s):

- Describe the three phases of matter as to the arrangement of their molecules.

III. Materials Needed:

- Video Clip - “Arrangement of Molecules in the Three States of Matter”
(Source: <https://youtu.be/v12xG80KcZw>)

IV. Instructions:

- You work individually. Be sure to watch and listen attentively to the video.
- Answer the following guide questions.
 - What are the three phases of matter according to the video? Draw the molecules of each phase of matter.



S_____



L_____



G____

- Describe each phase of matter as shown in the video.

S_____ - _____

L_____ - _____

G_____ - _____

- Given the description, give two (2) examples for each phase of matter.

S_____ - _____ and _____

L_____ - _____ and _____

G_____ - _____ and _____

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

Draw an outline of a matter. One matter for each state of matter. Inside the outline, draw the arrangement of its molecules.



S_____



L_____



G____